

# Sponsored Programs Expenditure Report

For the period July 1, 2023 - July 31, 2023



<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
<b>020 Acad Affairs Prov VP</b>						
Fegley, Dr. Megan Elizabeth Audrey	University of Georgia	Momentary Assessment of Research Learning Enviroments	100	\$9,884	\$4,942	\$14,827
Imbruce, Dr. Valerie	National Endowment for the Humanities	Situating Chemical Elements in the Human World to Innovate Undergraduate Education	50	\$60	\$34	\$94
Imbruce, Dr. Valerie	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$8,568	\$894	\$9,462
Light, Dr. Caitlin J.	National Science Foundation	REU Site: Early Collaborative Research Experience In Microbial Biofilm Development, Resistance, & Community Structure	90	\$4,845	\$2,761	\$7,606
Light, Dr. Caitlin J.	National Science Foundation	REU Site: Early Collaborative Research Experience In Microbial Biofilm Development, Resistance, & Community Structure	90	\$5,426	\$0	\$5,426
Loewen, Mr. Donald J	Multiple Sponsors - Nonsponsored	GROK Global Services	100	\$55,926	\$0	\$55,926
Ortiz, Stephen	Arnold and Mabel Beckman Foundation	Beckman Scholars Program 2022	100	\$2,791	\$0	\$2,791
Ortiz, Stephen	US Department of Education	Ronald E. McNair Post-Baccalaureate Achievement 2022-2027	100	\$15,500	\$1,240	\$16,740
Ortiz, Stephen	US Department of Education	Ronald E. McNair Post-Baccalaureate Achievement 2022-2027	100	\$38,900	\$0	\$38,900
Ortiz, Stephen	Arnold and Mabel Beckman Foundation	Beckman Scholars Program 2022	100	\$2,615	\$0	\$2,615

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Ortiz, Stephen	Arnold and Mabel Beckman Foundation	Beckman Scholars Program 2022	100	\$5,613	\$0	\$5,613
Ortiz, Stephen	Arnold and Mabel Beckman Foundation	Beckman Scholars Program 2022	100	\$2,963	\$0	\$2,963
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$8,568	\$894	\$9,462
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	\$3,872	\$2,207	\$6,080
Withers, Ms. Michelle D	National Science Foundation	RCN-UBE: Networking STEM intiatives to enhance (NSITE) adoption of Evidence-Based Practices	100	\$11,372	\$6,482	\$17,854
Withers, Ms. Michelle D	National Science Foundation	RCN-UBE: Networking STEM intiatives to enhance (NSITE) adoption of Evidence-Based Practices	100	\$6,715	\$0	\$6,715

**Department Total:** **\$203,073**

## **020 Anthropology**

Digangi, Dr. Elizabeth Ann	US Department of Justice	A Virtual Anthropological Approach to the Study of Commingled Human Remains	100	\$3,417	\$413	\$3,831
Lipo, Dr. Carl	International Archaeological Research Institute	DPAA Terrestrial Investigation Mission 22- 1GU, Activity #75 Bundschu Ridge, Asan-Maina Municipality, Guam	100	\$927	\$241	\$1,168
Lipo, Dr. Carl	National Science Foundation	Climate Change Impacts on the Past and Future Coastal Freshwater Resources of Oceanic Islands	100	\$8,291	\$2,156	\$10,446
Van Dyke, Dr. Ruth	National Park Service	Condition Assessment and Emergency Treatment of Managed Archaeological Sites on Chacra Mesa	100	\$354	\$62	\$416
Wander, Dr. Katherine	National Science Foundation	Human adaption in high-pathogen enviroments: iron, infection, and child growth and development	100	\$1,975	\$1,126	\$3,101

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Wander, Dr. Katherine	National Science Foundation	Collaborative Research: The Anthropology of Demographic Transition and Livelihood Diversification	100	\$4,894	\$1,272	\$6,167
<b>Department Total:</b> <b>\$25,129</b>						
<b>020 Art History</b>						
Smart, Dr. Pamela	Getty Foundation	Supplemental Funds Getty Indian Ocean Exchanges	100	\$4,000	\$400	\$4,400
Smart, Dr. Pamela	National Endowment for the Humanities	Situating Chemical Elements in the Human World to Innovate Undergraduate Education	50	\$60	\$34	\$94
Smart, Dr. Pamela	Getty Foundation	Indian Ocean Exchanges	100	\$1,036	\$104	\$1,140
<b>Department Total:</b> <b>\$5,634</b>						
<b>020 Arts and Sciences Dean</b>						
Massey, Dr. Sean	NYS Department of Health	Health & Human Services for Lesbian, Gay, Bisexual, and Transgender Individuals, Families, & Communities	33	\$645	\$97	\$742
Patel, Dr. Nirav S	Rochester Institute of Technology	2023 Student- Fac Research Prog., Food Spoilage Mitigation through Packaging: Attitudes towards PFAS in packaging	100	\$8,672	\$2,645	\$11,317
Silberstein, Dr. Dara	NYS Department of Health	Health & Human Services for Lesbian, Gay, Bisexual, and Transgender Individuals, Families, & Communities	33	\$645	\$97	\$742
Wang, Dr. Yuxin	Rochester Institute of Technology	NYSP21-2022 R&D: Develop effective thermal practice and adsorption method to eliminate perfluorinated substances	60	\$13,967	\$4,260	\$18,227
<b>Department Total:</b> <b>\$31,027</b>						
<b>020 Asian Asian-American Studies</b>						
Cho, Dr. Sungdai	Academy of Korean Studies	Reinforcing the Status of Korean as a World Language: Theoretical and Applied Korean Linguistics	100	\$10,468	\$1,047	\$11,515

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<b>Department Total:</b>						<b>\$11,515</b>
<b>020 Biological Sciences</b>						
Cook, Dr. Laura	National Institute of Allergy & Infectious Disease	Transcriptomic and Genetic Differences of Group A Streptococcus in Humans: Acute Infection Versus Carriage	100	\$29,579	\$9,046	\$38,625
Davies, Dr. David	National Science Foundation	Collaborative Research: GCR: Infection-Resisting Resorbable Scaffolds for Engineering Human Tissue	33	\$1,212	\$691	\$1,903
Marques, Dr. Claudia	National Science Foundation	Collaborative Research: GCR: Infection-Resisting Resorbable Scaffolds for Engineering Human Tissue	33	\$1,212	\$691	\$1,903
Marques, Dr. Claudia	National Inst of Environmental Health Sciences	Engineering a Small Intestinal Microbiome To Evaluate Food Additive Exposure	50	\$5,117	\$2,916	\$8,033
McKenney, Dr. Peter	National Institute of Allergy & Infectious Disease	Context-specific modulation of Clostidioides difficile virulence by Vancomycin-resistant Enterococcus faecium	100	\$5,168	\$2,946	\$8,113
Sauer, Dr. Karin	National Institute of Allergy & Infectious Disease	Dispersion and the Biofilm Matrix of Pseudomonas aeruginosa	100	\$39,539	\$18,239	\$57,778
Sauer, Dr. Karin	National Science Foundation	REU Site: Early Collaborative Research Experience In Microbial Biofilm Development, Resistance, & Community Structure	10	\$538	\$307	\$845
Sauer, Dr. Karin	National Science Foundation	REU Site: Early Collaborative Research Experience In Microbial Biofilm Development, Resistance, & Community Structure	10	\$603	\$0	\$603
Sauer, Dr. Karin	National Science Foundation	Collaborative Research: GCR: Infection-Resisting Resorbable Scaffolds for Engineering Human Tissue	34	\$1,249	\$712	\$1,961
Schertzer, Dr. Jeffrey W	National Institute of Allergy & Infectious Disease	Pathogen Synergy Through Cross-Species Induction of Outer Membrane Vesicle Biogenesis	100	\$12,643	\$7,207	\$19,850
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	\$1,119	\$638	\$1,756

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Sobel, Dr. James	National Science Foundation	Collaborative Research: ROL: Rapid Evolution of Reproductive Isolation via Hybrid Seed Lethality in Mimulus	100	\$4,533	\$2,584	\$7,117
<b>Department Total:</b> <b>\$148,487</b>						
<b>020 Biomedical Engineering</b>						
German, Dr. Guy K	Multiple Sponsors	Susan Pardee Baker Trust - Unrestricted Research Support	100	\$373	\$56	\$429
Hookway, Dr. Tracy	American Heart Association Incorporated	Modeling cardiac fibrosis: a 3D co-culture of cardiomyocytes, cardiac fibroblasts, and extracellular matrix components	100	\$2,308	\$0	\$2,308
Hookway, Dr. Tracy	National Heart Lung and Blood Institute	Heterotypic impacts on epicardial cells on engineered cardiac microtissue function	100	\$10,608	\$6,047	\$16,655
Hookway, Dr. Tracy	National Science Foundation	CAREER: Engineering Autonomic Control of Cardiac Tissues	100	\$2,556	\$1,457	\$4,013
Jin, Dr. Sha	National Science Foundation	Molecular mechanisms of tissue specific signaling for islet self-assembly	80	\$7,203	\$4,106	\$11,308
Jin, Dr. Sha	Rochester Institute of Technology	NYSP21-2022 R&D: Reducing Food Waste by Converting it into Eco-Friendly Biodegradable Plastics	50	\$9,534	\$2,908	\$12,442
Jin, Dr. Sha	National Inst of Biomedical Imaging and Bioenginee	Generation of Islet Organoids in Oxygenated Scaffolds	75	\$1,753	\$999	\$2,753
Koh, Dr. Ahyeon	National Science Foundation	Stretchable Papertronics	50	\$1,317	\$751	\$2,068
Koh, Dr. Ahyeon	National Science Foundation	CAREER: Artificial Extracellular Matrix Biosensors (e-ECM)	100	\$3,275	\$1,867	\$5,142
Koh, Dr. Ahyeon	Sete Digital LTDA	Apolo Project	100	\$3,865	\$2,203	\$6,069

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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	\$8,396	\$4,786	\$13,181
Lu, Dr. Fake (Frank)	National Institute of General Medical Sciences	Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	25	\$3,579	\$2,040	\$5,618
Mahler, Dr. Gretchen J	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$448	\$256	\$704
Mahler, Dr. Gretchen J	National Inst of Environmental Health Sciences	Engineering a Small Intestinal Microbiome To Evaluate Food Additive Exposure	50	\$5,117	\$2,916	\$8,033
Wan, Dr. Yuan	National Cancer Institute	Liquid biopsy of solitary pulmonary nodule with extracellular vesicles	100	\$17,427	\$9,934	\$27,361
Wan, Dr. Yuan	National Cancer Institute	Liquid biopsy of solitary pulmonary nodule with extracellular vesicles	100	\$43,507	\$8,479	\$51,986
Ye, Dr. Kaiming	Johns Hopkins University	NIST (PREP) Consortium Gaithersburg Federal Award 70NANB23H021	100	\$1,860	\$484	\$2,344
Ye, Dr. Kaiming	National Inst of Biomedical Imaging and Bioenginee	Generation of Islet Organoids in Oxygenated Scaffolds	25	\$584	\$333	\$918
Ye, Dr. Kaiming	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	\$17,082	\$9,736	\$26,818
Ye, Dr. Kaiming	National Science Foundation	Molecular mechanisms of tissue specific signaling for islet self-assembly	20	\$1,801	\$1,026	\$2,827
Ye, Dr. Kaiming	Rochester Institute of Technology	NYSP21-2022 R&D: Reducing Food Waste by Converting it into Eco-Friendly Biodegradable Plastics	50	\$9,534	\$2,908	\$12,442

**Department Total:** **\$215,418**

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Bronstein, Dr. Laura R	NYS Education Department	Nita M. Lowey 21st Century Community Learning Centers Technical Assistance Resource Center	100	\$16,881	\$6,415	\$23,295
Bronstein, Dr. Laura R	NYS Education Department	Community Schools Regional Technical Assistance Center (TAC)	100	\$27,158	(\$1,850)	\$25,308
Bronstein, Dr. Laura R	Multiple Sponsors	Continuing Education Activities	100	\$600	\$90	\$690
Kida, Ms. LuAnn F	United Way of Broome County Inc	Binghamton University Community Schools: UACS Literacy Project: Strengthening Early Literacy and Family Engagement Using a University-Assisted Community Schools Approach	100	\$1,848	\$481	\$2,329
Kida, Ms. LuAnn F	US Department of Education	Binghamton University Community Schools PLACE (Partnerships for Learning and Community Engagement) Initiative	30	\$16,968	\$354	\$17,322
Kida, Ms. LuAnn F	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$846	\$220	\$1,065

**Department Total:** **\$70,010**

#### **020 CCPA Social Work**

Young, Dr. Sarah	NYS Department of Health	Health & Human Services for Lesbian, Gay, Bisexual, and Transgender Individuals, Families, & Communities	34	\$664	\$100	\$764
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**Department Total:** **\$764**

#### **020 CCPA Teaching Learning Educ Leadership**

Humphrey, Ms. Amy L.	Multiple Sponsors	Income Account for Liberty Partnership Activities	100	\$45,595	\$3,648	\$49,242
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partnerships Program 2022-2023	100	\$44,297	\$3,365	\$47,661

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Malin, Dr. Jo E.	US Department of Education	Talent Search Program 2021-2026	100	\$25,765	\$2,061	\$27,826
Mellin, Dr. Elizabeth	US Department of Education	Binghamton University Community Schools PLACE (Partnerships for Learning and Community Engagement) Initiative	70	\$39,593	\$826	\$40,419
Simpson, Dr. Amber	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$846	\$220	\$1,065
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	\$11,018	\$6,280	\$17,298
Simpson, Dr. Amber	National Security Agency	2022 GenCyber Grant Program- State University of New York at Binghamton	25	\$5,892	\$2,946	\$8,839
Simpson, Dr. Amber	National Security Agency	2022 GenCyber Grant Program- State University of New York at Binghamton	25	\$392	\$0	\$392
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	\$4,267	\$2,432	\$6,699

**Department Total: \$199,442**

### **020 Chemistry**

Callahan, Dr. Brian P	SUNY System Administration	Research Seed Grant Program	100	\$1,081	\$0	\$1,081
Callahan, Dr. Brian P	Rensselaer Polytechnic Institute	Structural Mechanisms of Hedgehog Autoprocessing in Physiology and Disease PTE 1R01CA206592-01-A1 - Subaward A12815	100	(\$40)	(\$22)	(\$62)
Callahan, Dr. Brian P	National Institute of Allergy & Infectious Disease	Rapid SARS-CoV-2 Detection Using Amplicon Templated Reported Enzyme Assembly	100	\$1,722	\$982	\$2,704

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Fang, Dr. Jiye	National Science Foundation	Manipulating and Exploiting Lattice Strain as a Novel Platform to Tune the Surface Work Function of Metallic Nanocatalysts	100	\$1,232	\$702	\$1,935
Goyal, Dr. Puja	National Institute of General Medical Sciences	Towards Rational Design of the Photocontrol of Calmodulin-Protein Interactions	100	\$12,802	\$7,297	\$20,099
Goyal, Dr. Puja	National Institute of General Medical Sciences	Regulation of bidirectional transport of the nucleus by adapter proteins	5	\$2,065	\$511	\$2,576
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	\$2,488	\$1,418	\$3,907
Guo, Dr. Huiyuan	American Chemical Society	Imaging of pH in Individual Water-in-Oil Emulsion Droplets	100	\$9,181	\$0	\$9,181
Hirschi, Dr. Jennifer Sue	National Institute of General Medical Sciences	Mechanistic Investigation into Modern Catalytic Reactions	100	\$14,668	\$8,360	\$23,028
Hirschi, Dr. Jennifer Sue	National Institute of General Medical Sciences	Mechanistic Investigation into Photoredox Catalysis	100	\$9,433	\$5,377	\$14,809
Liu, Dr. Hao	Rochester Institute of Technology	NYSP21-2022 R&D: Develop effective thermal practice and adsorption method to eliminate perfluorinated substances	40	\$9,311	\$2,840	\$12,151
Liu, Dr. Hao	National Science Foundation	CAREER: Enabling High-performance Na-ion Battery Cathodes Via Structural Pillaring	100	\$7,673	\$4,374	\$12,046
Liu, Dr. Hao	American Chemical Society	Understanding the Structural and Electronic Effects on Heterogeneous Catalysis of Aerobic Oxidative Desulfurization	100	\$4,946	\$0	\$4,946
Liu, Dr. Hao	National Science Foundation	Rational Design of Oxide Cathode Coating for High Performance Li-ion Batteries	34	\$1,893	\$1,031	\$2,924
Panetier, Dr. Julien	National Institute of General Medical Sciences	Computational Modeling of Carbon Monoxide Dehydrogenase Model Systems for Carbon Dioxide Fixation	100	\$12,275	\$6,997	\$19,272

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Panetier, Dr. Julien	Yale University	Nitrogen-Coupled Carbon Dioxide Conversion to Methylamine: Molecular Level Understanding and Tailoring of the Electrocatalysis	100	\$1,507	\$859	\$2,365
Qiang, Dr. Wei	National Institute of General Medical Sciences	Molecular mechanisms of membrane disruption induced by early-stage aggregation of beta-amyloid peptides	100	\$7,328	\$4,177	\$11,504
Rozners, Dr. Eriks	National Institute of General Medical Sciences	Chemical approaches to control the function of regulatory RNAs	100	\$27,405	\$15,621	\$43,025
Rozners, Dr. Eriks	National Science Foundation	Collaborative Research: Nucleobase-Modified PNA for Sequence Selective Triple-Helical Recognition of Non-Coding RNA	100	\$9,686	\$4,071	\$13,758
Rozners, Dr. Eriks	National Institute of Allergy & Infectious Disease	Targeting SARS-CoV-2 RNA Pseudoknots Using Triplex-Forming Peptide Nucleic Acids	100	\$12,000	\$6,840	\$18,841
Solmaz, Ms. Sozanne	National Institute of General Medical Sciences	Regulation of bidirectional transport of the nucleus by adapter proteins	95	\$39,228	\$9,715	\$48,943
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	\$9,572	\$5,456	\$15,029
Swierk, Dr. John	National Science Foundation	CAREER: CAS: Mechanistic Investigation of Photoredox Reactions	100	\$11,690	\$6,663	\$18,353
Vetticatt, Dr. Mathew	National Institute of General Medical Sciences	Mechanistic Studies at the Frontiers of Catalysis	100	\$29,790	\$16,980	\$46,770
Whittingham, Dr. M Stanley	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$8,568	\$894	\$9,462
Whittingham, Dr. M Stanley	University of Maryland	FFATA: Advancing Transformational Army Batteries, II	100	\$8,255	\$4,705	\$12,960
Whittingham, Dr. M Stanley	NYS Energy Research and Development Authority	Agreement 154461: empowerST: Empowering Energy Storage Entrepreneurship in the Southern Tier	50	\$4,348	\$2,479	\$6,827

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Whittingham, Dr. M Stanley	LG Energy Solutions	A Cobalt and Nickel Free High Energy Density Intercalation Cathode for Lithium or Lithium-ion Batteries	100	\$5,184	\$2,955	\$8,139
Whittingham, Dr. M Stanley	DiMien LLC	STTR Phase II: Multi-Electron Intercalation Reactions for High Capacity Lithium Batteries	100	\$78,008	\$44,465	\$122,473
Whittingham, Dr. M Stanley	Pacific Northwest National Laboratory	Battery 500: Controlling Electrochemical Reactions from Electrodes to Cells Work performed at Binghamton University, Binghamton, New York, USA	100	\$875	\$499	\$1,373
Zhong, Dr. Chuan Jian	Meecotech Incorporated	Unrestricted Research	100	\$1,680	\$252	\$1,932
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	\$10,059	\$5,734	\$15,793

**Department Total:** **\$528,144**

## 020 Computer Science

Blackburn, Dr. Jeremy	National Science Foundation	Collaborative Research: SaTC: Core: Small: Detecting Accounts Involved in Influence Campaigns on Social Media	100	\$8,025	\$4,574	\$12,599
Blackburn, Dr. Jeremy	National Science Foundation	CAREER: Towards a Data-Driven Understanding of Online Sentiment	100	\$19,323	\$10,465	\$29,788
Chiu, Dr. Kenneth	National Science Foundation	Spokes: SMALL: NORTHEAST: Collaborative: Building the Community to Address Data Integration of the Ecological Long Tail	100	\$13,724	\$7,823	\$21,547
Dai, Dr. Weiyi	National Science Foundation	Mechanics of the Formation of Cortical Folding Patterns in the Developing Human Brain	50	\$6,686	\$3,811	\$10,497
Dai, Dr. Weiyi	Feinstein Institute for Medical Research	Functional MRI in Schizophrenia	100	\$4,499	\$2,564	\$7,063

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Dai, Dr. Weiyi	Cornell University	Basal forebrain connections to the heart and mind in healthy aging	100	\$3,558	\$2,028	\$5,586
Ghose, Dr. Kanad	National Science Foundation	IUCRC Phase III Binghamton University: Center for Energy-Smart Electronic Systems (ES2)	50	\$1,922	\$1,096	\$3,018
Ghose, Dr. Kanad	National Science Foundation	Collaborative Research: CNS Core: Large: Systems and Verifiable Metrics for Sustainable Data Centers	50	\$1,806	\$1,029	\$2,835
Ghose, Dr. Kanad	University of Texas at Arlington	I/UCRC Phase III University of TX Arlington: Center for Energy-Smart Electronic System (ES2)	50	\$339	\$193	\$533
Gopalan, Dr. Kartik	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$1,657	\$945	\$2,602
Kang, Dr. Kyoung-Don	National Science Foundation	CNS Core: Small: Toward Real-Time Stream Processing in Edge Devices	100	\$19,272	\$10,985	\$30,257
Liu, Dr. Yu David	National Science Foundation	CNS Core: Small: Language Runtime Support for Energy- Aware Applications	100	\$7,312	\$4,168	\$11,480
Liu, Dr. Yu David	National Science Foundation	Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	50	\$14,744	\$8,404	\$23,147
Liu, Dr. Yu David	National Science Foundation	Collaborative Research: CNS Core: Large: Systems and Verifiable Metrics for Sustainable Data Centers	50	\$1,806	\$1,029	\$2,835
Lu, Mr. Hui	National Science Foundation	CNS Core: Small: Collaborative: Salvaging Commodity Operating Systems to Support Emerging Networking Technologies	100	\$11,840	\$6,749	\$18,590
Naghibijouybari, Dr. Hoda	National Science Foundation	SaTC: CORE: Small: Microarchitectural side channel attacks and defenses in integrated CPU-GPU systems	100	\$10,199	\$5,813	\$16,013
Ponomarev, Dr. Dmitry V	National Science Foundation	Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	50	\$14,744	\$8,404	\$23,147

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Ponomarev, Dr. Dmitry V	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$1,657	\$945	\$2,602
Prakash, Dr. Aravind	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$1,657	\$945	\$2,602
Prakash, Dr. Aravind	National Science Foundation	CAREER: Binary-Level Security via ABI-Centric Semantic Inference	100	\$8,850	\$5,045	\$13,895
Shin, Dr. Seunghee	National Science Foundation	CAREER: Hardware/Software Co-Design for Serverless Computing	100	\$6,253	\$3,564	\$9,818
Yan, Dr. Guanhua	National Science Foundation	Career: Proactive Techniques for Enhancing Security and Resilience of Mobile Communication Infrastructure	100	\$11,575	\$6,598	\$18,173
Yan, Dr. Guanhua	National Security Agency	2022 GenCyber Grant Program- State University of New York at Binghamton	25	\$5,892	\$2,946	\$8,839
Yan, Dr. Guanhua	National Security Agency	2022 GenCyber Grant Program- State University of New York at Binghamton	25	\$392	\$0	\$392
Yan, Dr. Guanhua	State University of New York	Real-Time Detection of Advanced Malware Attacks with Ensembles of Graph Neural Networks	60	\$9,405	\$0	\$9,405
Yan, Dr. Guanhua	IBM Corporation	Real-Time Detection of Advanced Malware Attacks with Ensembles of Graph Neural Networks	60	\$8,030	\$0	\$8,030
Yang, Dr. Ping	IBM Corporation	Real-Time Detection of Advanced Malware Attacks with Ensembles of Graph Neural Networks	40	\$5,354	\$0	\$5,354
Yang, Dr. Ping	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	40	\$4,420	\$2,519	\$6,939
Yang, Dr. Ping	National Security Agency	2022 GenCyber Grant Program- State University of New York at Binghamton	50	\$11,785	\$5,892	\$17,677

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Yang, Dr. Ping	National Security Agency	2022 GenCyber Grant Program- State University of New York at Binghamton	50	\$784	\$0	\$784
Yang, Dr. Ping	State University of New York	Real-Time Detection of Advanced Malware Attacks with Ensembles of Graph Neural Networks	40	\$6,270	\$0	\$6,270
Yu, Dr. Lei	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$1,894	\$1,080	\$2,973
Zhang, Dr. Shiqi	National Science Foundation	NRI: FND: Knowldege-based Robot Sequential Decision Making under Uncertainty	100	\$7,847	\$4,473	\$12,319
Zhang, Dr. Shiqi	Ford Motor Company	Ford RIC Unrestricted Support	100	\$10,697	\$1,605	\$12,302
Zhang, Dr. Yifan	National Science Foundation	CAREER: Enabling Edge-hosted Private Services via Unikernel based Lightweight Virtualization	100	\$20,337	\$11,592	\$31,930
				<b>Department Total:</b>	<b>\$391,841</b>	

#### **020 Decker/School of Nursing**

Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP)	50	\$3,971	\$27	\$3,998
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP) 2023-2024	50	\$5,511	\$441	\$5,952
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science and Technology Entry Program (C-STEP) 2023-2024	100	\$5,654	\$452	\$6,106
Bryant, Dr. Sharon A	US Department of Education	Binghamton University Upward Bound Math and Science	50	\$34,402	\$2,752	\$37,154
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science Technology Entry Program 2022-2023	100	\$18,340	(\$2,707)	\$15,633

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Fronczek, Ms. Ann	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$2,250	\$180	\$2,430
Rouhana, Dr. Nicole A.	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$2,250	\$180	\$2,430
Rouhana, Dr. Nicole A.	Health Resources and Services Admin	Advanced Nursing Education Workforce	100	\$6,779	\$542	\$7,321
<b>Department Total:</b>						<b>\$81,024</b>

#### **020 Decker/Speech Language Pathology**

Duff, Dr. Dawna	University of South Carolina	Word Learning in Reading and Language Impairment Subgroups P020000660002/ USC10008542	100	\$26,678	\$15,206	\$41,884
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	\$13,408	\$3,486	\$16,894
<b>Department Total:</b>						<b>\$58,778</b>

#### **020 Economics**

Khanna, Dr. Neha	North Carolina Agricultural and Technical State University	Eir: Environmental Justice and the Multigenerational Persistence of Environmental Exposure	100	\$3,977	\$2,267	\$6,243
<b>Department Total:</b>						<b>\$6,243</b>

#### **020 Electrical and Computer Engineering**

Akyol, Dr. Emrah	National Science Foundation	CAREER: A Holistic Framework for the Analysis of Information Dynamics in Human Networks	100	\$16,817	\$9,585	\$26,402
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	\$1,638	\$933	\$2,571

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Chen, Dr. Yu	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$1,657	\$945	\$2,602
Chen, Dr. Yu	National Science Foundation	EAGER: SaTC: CORE: Small: Decentralized Assurance by Fair Proof of Work Concensus Federated Ledgers	100	\$11,456	\$6,530	\$17,986
Chen, Dr. Yu	National Science Foundation	EAGER: SaTC: SAVED: Secure Audio and Video Data from Deepfake Attacks Leveraging Environmental Fingerprints	100	\$5,209	\$2,969	\$8,179
Choi, Dr. Seokheun	National Science Foundation	Rapid, High-Throughput, and Real-time Assessment of Antibiotic Effectiveness against Pathogenic Biofilms	100	\$9,567	\$5,453	\$15,020
Choi, Dr. Seokheun	US Navy Office of Naval Research	Plug-n-Play Micro-Bio-Photovoltaic Panels	100	\$18,337	\$10,452	\$28,790
Choi, Dr. Seokheun	National Science Foundation	Stretchable Papertronics	50	\$1,317	\$751	\$2,068
Das, Dr. Pritam	Mallika Ashwin Maya	Battery Energy Storage System (BESS) with Three Phase Grid Integrated Inverter Using 3D Printed Magnetics Components with Nanocrystalline Soft Magnetic Material (Phase II) DE-SC0021784	55	\$2,633	\$1,501	\$4,134
Das, Dr. Pritam	Nexperia	Experimental verification of a single-stage half-bridge point of load converter with quasi-peak cycle by cycle current controller for point of load 48 points to sub 1 V conversion with fast slew rate LINE ITEM 00010	100	\$11,902	\$6,784	\$18,685
Dhakal, Dr. Tara Prasad	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	50	\$555	\$316	\$872
Fridrich, Dr. Jessica J.	National Science Foundation	SaTC: CORE: Medium: Steganography Based on Sensor Capture Models: Replacing Heuristics with Model-Based Designs	100	\$52,530	\$29,942	\$82,473

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Klotzkin, Dr. David	Best Epitaxy Manufacturing Company Limited	Optimization of Epitaxial Structures for LiDAR Applications	100	\$2,560	\$1,459	\$4,019
Li, Dr. Jian	New York University	RINGS: Resilient Edge Networks with Data-driven Model-based Learning	100	\$7,483	\$4,265	\$11,749
Li, Dr. Jian	US Army Research Office	Resource Constrained Reinforcement Learning for Adaptive Data Analytics in Tactical Networks	100	\$7,240	\$4,127	\$11,366
Li, Dr. Jian	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$1,894	\$1,080	\$2,973
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	\$1,638	\$933	\$2,571
Zhang, Dr. Ziang	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	20	\$222	\$127	\$349
Zhang, Dr. Ziang	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$1,894	\$1,080	\$2,973
Zhou, Dr. Ning	Pacific Northwest National Laboratory	Control Strategy Development for Inverter-Based Resources to Improve Oscillation Modes Location of Service, Binghamton University, Binghamton, NY USA	100	\$1,937	\$1,104	\$3,041
Zhou, Dr. Ning	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$1,894	\$1,080	\$2,973
Zhou, Dr. Ning	National Science Foundation	CAREER: Integrated Dynamic State Estimation for Monitoring Power Systems Under High Uncertainty and Variation	100	\$3,144	\$1,792	\$4,936
				<b>Department Total:</b>	<b>\$256,732</b>	

## 020 Entrepreneurship and Innovation Partnership

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Francisco, Mrs. Michele R.	Economic Development Administration	FY2021 Trade Adjustment Assistance Center Service New York, New Jersey, and the Commonwealth of Puerto Rico	100	\$58,888	\$10,562	\$69,449
Iankova, Dr. Elena A	Economic Development Administration	Soft Landings in New York's Southern Tier	50	\$15,541	\$3,858	\$19,399
Petrova, Dr. Olga	Cornell University	NSF I-Corps Hub (Track 1): Interior Northeast	25	\$4,859	\$1,190	\$6,049
Stromhaug, Dr. Per	NYS Electric and Gas Corporation	NYSEG Ignition Program Economic Development Innovation & Entrepreneurship Program	100	\$50,000	\$0	\$50,000
Stromhaug, Dr. Per	Empire State Development Corp	CFA 96852: New Energy New York	50	\$7,628	\$0	\$7,628
Stromhaug, Dr. Per	Empire State Development Corp	CFA 96852: New Energy New York	50	\$6,365	\$2,419	\$8,783
Stromhaug, Dr. Per	NYS Energy Research and Development Authority	Agreement 154461: empowerST: Empowering Energy Storage Entrepreneurship in the Southern Tier	50	\$4,348	\$2,479	\$6,827
Stromhaug, Dr. Per	National Science Foundation	Type 1: Innovation Binghamton NSF I-Corps Site	100	\$3,231	\$1,842	\$5,072
Stromhaug, Dr. Per	Empire State Development Corp	CFA 96852: New Energy New York	50	\$11,088	\$4,213	\$15,302
Stromhaug, Dr. Per	NYS Department of Economic Development	New York State Business Incubator and Innovation Hot Spot Support Program	100	\$10,101	\$0	\$10,101
Stromhaug, Dr. Per	National Science Foundation	Type 1: Innovation Binghamton NSF I-Corps Site	100	\$10,918	\$0	\$10,918
Stromhaug, Dr. Per	New Energy Nexus New York	Supercharge New York	100	\$3,520	\$915	\$4,435

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Stromhaug, Dr. Per	Economic Development Administration	Soft Landings in New York's Southern Tier	50	\$15,541	\$3,858	\$19,399
Stromhaug, Dr. Per	National Science Foundation	I-Corps Teams: Thin Flexible Fuel Cell	100	\$17,322	\$1,926	\$19,248
Stromhaug, Dr. Per	Empire State Development Corp	CFA 96852: New Energy New York	50	\$14,533	\$5,523	\$20,056
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York	50	\$11,829	\$3,076	\$14,905
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York: Battery-NY Center Operations	50	\$3,166	\$1,203	\$4,369
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York: Climate Justice and Social Equity Programs	50	\$30,420	\$1,384	\$31,804
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York: Workforce Development Programs	50	\$78,606	\$19,640	\$98,246
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York: Innovation and Entrepreneurship	50	\$13,511	\$5,134	\$18,646
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York: Supply Chain Development and Qualification Programs	50	\$87,967	\$0	\$87,967
Stromhaug, Dr. Per	Empire State Development Corp	CFA 96852: New Energy New York	50	\$1,885	\$716	\$2,601
Stromhaug, Dr. Per	Cornell University	NSF I-Corps Hub (Track 1): Interior Northeast	25	\$4,859	\$1,190	\$6,049
				<b>Department Total:</b>	<b>\$537,253</b>	

**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 &amp; A Expended</u>	<u>Total Expended</u>
Lam, Dr. Adriane	Trustees of Columbia University in the City of New York	U.S. Science Support Program Office associated with the International Ocean Discovery Program (USSSP-IODP)	100	\$1,272	\$725	\$1,997
Lowenstein, Dr. Tim K	Helmholtz-Zentrum Potsdam	Project: Climate ReOrganizations at Synoptic Scale as Recorded in the Offshore Archives of the Dead Sea- EU-MSCA GA 101029939 CROSSROADS D-052-20-001, 49000309	100	\$1,969	\$197	\$2,166
Lowenstein, Dr. Tim K	National Science Foundation	Collaborative Research: Anatomy of a Greenhouse World: The Early Eocene of the Green River Basin, Wyoming	100	\$1,617	\$420	\$2,038
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	\$2,376	\$356	\$2,733
Nikulin, Dr. Alex	National Science Foundation	I-Corps: Delivering Integrated Technology for Automated Wide-Area Humanitarian Mine Action Surveys	100	\$1,920	\$213	\$2,133
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	\$1,392	\$362	\$1,754
Patterson, Dr. Molly	National Science Foundation	Collaborative Research: Sensitivity of the West Antarctic Ice Sheet to 2? Celsius (SWAIS 2C)	100	\$17,534	\$9,994	\$27,528
Pietras, Dr. Jeffrey T	American Chemical Society	Linking the Distribution, Surface Morphology, Pore Structure, and Environmental Conditions of Lacustrine Microbialite Reservoir Facies: Fayetteville Green Lake, New York	50	\$4,995	\$0	\$4,995
Schmitkons, Mr. Jonathan P.	American Chemical Society	Linking the Distribution, Surface Morphology, Pore Structure, and Environmental Conditions of Lacustrine Microbialite Reservoir Facies: Fayetteville Green Lake, New York	50	\$4,995	\$0	\$4,995

**Department Total:** **\$50,340**

## 020 Library Administration

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Parks, Ms. Heather	NYS Education Department	Conservation & Preservation 2020-2023 0306218993/ 030600925/0306239242	100	\$2,999	\$0	\$2,999
<b>Department Total:</b> <b>\$2,999</b>						
<b>020 Mathematical Sciences</b>						
Chen, Dr. Mei-Hsiu	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$448	\$256	\$704
Malkiewich, Dr. Cary	National Science Foundation	Algebraic K-Theory in Fixed-Point Theory and Smooth Manifolds	100	\$8,456	\$4,820	\$13,277
Malkiewich, Dr. Cary	National Science Foundation	FRG: Collaborative Research: Trace Methods and Applications for Cut-and-Paste K-Theory	100	\$2,052	\$1,170	\$3,222
Ontaneda, Dr. Pedro	National Science Foundation	Challenges in Negative and Nonpositive Curvature	100	\$13,245	\$7,550	\$20,795
Zhou, Dr. Gang	Simons Foundation	Mathematical problems in non-equilibrium statistical mechanics, and singularities formed by geometric flows	100	\$350	\$70	\$420
<b>Department Total:</b> <b>\$38,418</b>						
<b>020 Mechanical Engineering</b>						
Chiarot, Dr. Paul	Purdue University	CHIRP 2021: Printed Conformal Metal Films for electromagnetic Interference (EMI) Protection Semiconductor Research Corporation Prime Agreement 2019-PK-2878	100	\$2,369	\$1,350	\$3,719
Chiarot, Dr. Paul	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	33	\$1,633	\$931	\$2,563
Cho, Dr. Junghyun	IBM Corporation	Artificial Intelligence Collaborative Research Alliance	100	\$5,060	\$0	\$5,060
Cho, Dr. Junghyun	SUNY System Administration	SUNY-IBM AI Collaborative Research Alliance	100	\$4,468	\$0	\$4,468

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Huang, Dr. Pong-Yu	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$448	\$256	\$704
Huang, Dr. Pong-Yu	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	33	\$1,633	\$931	\$2,563
Ke, Dr. Changhong	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	25	\$892	\$508	\$1,400
Ke, Dr. Changhong	National Science Foundation	Multiple-Energy- Assisted Ultrasharp Probe-Based Nanomanufacturing for High-Resolution and High-Efficiency Nanopatterning	50	\$3,347	\$1,908	\$5,256
Ke, Dr. Changhong	Cornell University	NASA NY Space Grant Consortium	100	\$4,600	\$0	\$4,600
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	\$1,478	\$843	\$2,321
Ke, Dr. Changhong	National Inst on Deafness & Other Comm Disorders	Capacitive Pressure/ Velocity Probe for Acoustic Measurements in the Human Ear Canal	33	\$9,402	\$3,134	\$12,536
Miles, Dr. Ronald N	National Inst on Deafness & Other Comm Disorders	Capacitive Pressure/ Velocity Probe for Acoustic Measurements in the Human Ear Canal	67	\$19,088	\$6,363	\$25,451
Murray, Dr. Bruce T	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$448	\$256	\$704
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	\$5,281	\$3,010	\$8,292
Park, Dr. Seungbae	Purdue University	SCALE: A Microelectronic Workforce Development Production Project	33	\$3,586	\$2,044	\$5,630

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
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: A Systematic Integration of Reflow and Dispensing Processes with PCB Assembly for Quality Enhancement	34	\$4,996	\$2,848	\$7,843
Park, Dr. Seungbae	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$1,510	\$861	\$2,370
Park, Dr. Seungbae	SUNY System Administration	SAMRI Program	25	\$122	\$70	\$191
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$8,568	\$894	\$9,462
Rangarajan, Dr. Srikanth	SUNY System Administration	SAMRI Program	25	\$122	\$70	\$191
Rangarajan, Dr. Srikanth	US Department of Commerce	Novel In-situ Thermal Property Mapping to Study Powder Feedstock Aging and Laser Powder Bed Fusion	33	\$19,199	\$9,251	\$28,451
Razavi Aghjeh, Dr. Mir Jalil	National Science Foundation	Mechanics of the Formation of Cortical Folding Patterns in the Developing Human Brain	50	\$6,686	\$3,811	\$10,497
Sammakia, Dr. Bahgat G	National Science Foundation	IUCRC Phase III Binghamton University: Center for Energy-Smart Electronic Systems (ES2)	50	\$1,922	\$1,096	\$3,018
Sammakia, Dr. Bahgat G	University of Texas at Arlington	I/U CRC Phase III University of TX Arlington: Center for Energy-Smart Electronic System (ES2)	50	\$339	\$193	\$533
Sammakia, Dr. Bahgat G	Purdue University	SCALE: A Microelectronic Workforce Development Production Project	34	\$3,695	\$2,106	\$5,801
Sammakia, Dr. Bahgat G	Cornell University	NSF I-Corps Hub (Track 1): Interior Northeast	25	\$4,859	\$1,190	\$6,049

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Sammakia, Dr. Bahgat G	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$1,510	\$861	\$2,370
Sammakia, Dr. Bahgat G	SUNY System Administration	SAMRI Program	25	\$122	\$70	\$191
Sammakia, Dr. Bahgat G	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	25	\$892	\$508	\$1,400
Schiffres, Dr. Scott	SUNY System Administration	SAMRI Program	25	\$122	\$70	\$191
Schiffres, Dr. Scott	US Department of Commerce	Novel In-situ Thermal Property Mapping to Study Powder Feedstock Aging and Laser Powder Bed Fusion	34	\$19,781	\$9,532	\$29,313
Schiffres, Dr. Scott	Purdue University	SCALE: A Microelectronic Workforce Development Production Project	33	\$3,586	\$2,044	\$5,630
Schiffres, Dr. Scott	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	50	\$1,783	\$1,016	\$2,799
Schiffres, Dr. Scott	National Science Foundation	CAREER: Intermetallic Interfacial Thermal Transport for Advanced Electronics Manufacturing	100	\$2,386	\$1,360	\$3,745
Schiffres, Dr. Scott	Mallika Ashwin Maya	Battery Energy Storage System (BESS) with Three Phase Grid Integrated Inverter Using 3D Printed Magnetics Components with Nanocrystalline Soft Magnetic Material (Phase II) DE-SC0021784	45	\$2,154	\$1,228	\$3,382
Schiffres, Dr. Scott	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$1,510	\$861	\$2,370
Towfighian, Dr. Shahrzad	National Inst of Arthritis Musculoskeletal & Skin	Self-Powered Load Sensors for Total Knee Replacement Health Monitoring	100	\$6,592	\$3,758	\$10,350

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
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	\$1,119	\$638	\$1,756
Yong, Dr. Xin Frank	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	34	\$1,682	\$959	\$2,641
Yong, Dr. Xin Frank	National Science Foundation	Collaborative Research: Understanding "wild-type" nanoplastic uptake in single microalgae cells with florescence tracking and computational modeling	100	\$3,716	\$2,118	\$5,834
Yu, Dr. Kaiyan	IBM Corporation	Ray -F2R-FL: Ray Based Functional Regression with Federated Learning	20	\$2,157	\$0	\$2,157
Yu, Dr. Kaiyan	National Science Foundation	CAREER: Simultaneous and Independent Control of Nanostructured Objects Through the Use of Coupled External Electric Fields	100	\$7,031	\$4,008	\$11,039
Yu, Dr. Kaiyan	State University of New York	Ray-based Functional Regression with Federated Learning	20	\$2,157	\$0	\$2,157
Zhang, Dr. Pu	National Science Foundation	CDS&E Collaborative Research: A Symbolic Artificial Intelligence Framework for Discovering Physically Interpretable Constitutive Laws of Soft Functional Composites	100	\$11,728	\$6,685	\$18,413
Zhang, Dr. Pu - DO NOT USE	National Science Foundation	CAREER: Electro-Mechanical Behaviors of Soft Conductive Composites Embedded with Liquid Metal Fiber Networks	100	\$417	\$237	\$654
Zhou, Dr. Guangwen	US Department of Commerce	Novel In-situ Thermal Property Mapping to Study Powder Feedstock Aging and Laser Powder Bed Fusion	33	\$19,199	\$9,251	\$28,451
Zhou, Dr. Guangwen	US Department of Energy	In Situ Visualization and Theoretical Modeling of Early Stages of Oxidation of Metals and Alloys	100	\$22,459	\$12,802	\$35,261
Zhou, Dr. Guangwen	National Science Foundation	Collaborative Research: Coordinated In-Situ Dynamic Experiments and Atomistic Modeling of Surface Segregation in Alloys	100	\$3,735	\$2,129	\$5,865

**Department Total:** **\$335,642**

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
<b>020 Pharmaceutical Sciences</b>						
Brooks, Dr. Tracy	National Cancer Institute	Synthesis and Optimization of antibody: DNAi conjugates targeting the MYC G4	50	\$4,944	\$2,806	\$7,750
Brooks, Dr. Tracy	National Institute of General Medical Sciences	Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	25	\$3,579	\$2,040	\$5,618
Brooks, Dr. Tracy	National Institute of General Medical Sciences	Legumain to the rescue: A new ADC linker strategy to address the limitations of cathepsin cleavage	50	\$5,137	\$2,928	\$8,065
Brooks, Dr. Tracy	SUNY System Administration	Research Seed Grant Program	100	\$2,411	\$0	\$2,411
Davis, Dr. Tony D	National Institute of General Medical Sciences	Interrogation of Microbial Natural Product mEthyltransferases	100	\$5,376	\$3,065	\$8,441
Fang, Dr. Yuan	Foundation to Eradicate Duchenne	Multi-omics analyses of lipidomics, proteomics, and mRNA profiles in Duchenne Muscular Dystrophy	100	\$7,012	\$701	\$7,713
Hathout, Dr. Yetrib	Childrens Research Institute	Regenxbio Research Collaboration Agreement	50	\$5,681	\$3,238	\$8,919
Hathout, Dr. Yetrib	National Inst of Neurological Disorders & Stroke	R61/R33 Resubmission (Biomarker Signatures for Duchenne Muscular Dystrophy)	100	\$14,872	\$8,477	\$23,350
Morales, Dr. Melissa	Foundation to Eradicate Duchenne	Defining the ceramide pathway disturbance in dystrophin-deficiency (mouse and human), and treatment response in DMD patients treated with prednisone or vamorolone	100	\$11,029	\$1,103	\$12,132
Morales, Dr. Melissa	Myositis Association	Improving muscle weakness by blocking the Interferon signature with anti-viral proteins	50	\$3,587	\$287	\$3,874
Nagaraju, Dr. Kanneboyina	Cornell University	NSF I-Corps Hub (Track 1): Interior Northeast	25	\$4,859	\$1,190	\$6,049

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Nagaraju, Dr. Kanneboyina	Myositis Association	Improving muscle weakness by blocking the Interferon signature with anti-viral proteins	50	\$3,587	\$287	\$3,874
Nagaraju, Dr. Kanneboyina	Childrens Research Institute	Regenxbio Research Collaboration Agreement	50	\$5,681	\$3,238	\$8,919
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	\$19,743	\$0	\$19,743
Tumey, Dr. L Nathan	National Institute of General Medical Sciences	Mitigating ADA Through Site-specific Conjugation Technology	100	\$2,345	\$0	\$2,345
Tumey, Dr. L Nathan	Heidelberg Pharma Research GmbH	Optimization of ADCs for the Treatment of Cancer	100	\$4,050	\$2,308	\$6,358
Tumey, Dr. L Nathan	National Cancer Institute	Synthesis and Optimization of antibody: DNAi conjugates targeting the MYC G4	50	\$4,944	\$2,806	\$7,750
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	\$9,129	\$5,203	\$14,332
Tumey, Dr. L Nathan	National Institute of General Medical Sciences	Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	50	\$7,157	\$4,080	\$11,237
Tumey, Dr. L Nathan	National Institute of General Medical Sciences	Legumain to the rescue: A new ADC linker strategy to address the limitations of cathepsin cleavage	50	\$5,137	\$2,928	\$8,065
Zhang, Dr. Tao	University of Maine at Orono	Harnessing gut microbiota to reduce inflammation using broccoli-sprout diets	100	\$3,064	\$1,747	\$4,811
Zhang, Dr. Tao	US Food and Drug Administration	To measure permeability of BCRP drug substrates and establish mechanistic IVIVE and PBPK model to predict milk drug transfer CLIN #1	100	\$2,642	\$1,506	\$4,148

**Department Total: \$185,904**

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Aynajian, Dr. Pegor	National Science Foundation	CAREER: Visualizing Emergent Electronic States Near Quantum Phase Transitions	100	\$5,278	\$3,008	\$8,286
Kolmogorov, Dr. Alexey	National Science Foundation	EAGER: SUPER: Collaborative Research: Ab Initio Engineering of Doped-Covalent-Bond Superconductors	50	\$2,681	\$1,528	\$4,209
Lawler, Dr. Michael	National Science Foundation	Collaborative Research: Integrating Physics and Generative Machine Learning Models for Inverse Materials Design	100	\$419	\$239	\$658
Lee, Dr. Wei-Cheng	Georgia Institute of Technology	MURI17: Cross-disciplinary Electronic-ionic Research Enabling Biologically Realistic Autonomous Learning (CEREBRAL)	100	\$14,473	\$8,249	\$22,722
Margine, Dr. Elena Roxana	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$8,568	\$894	\$9,462
Margine, Dr. Elena Roxana	University of Texas at Austin	An Interoperable Software Ecosystem for Many-Body Electronic Structure Calculations	100	\$8,798	\$5,015	\$13,813
Margine, Dr. Elena Roxana	National Science Foundation	EAGER: SUPER: Collaborative Research: Ab Initio Engineering of Doped-Covalent-Bond Superconductors	50	\$2,681	\$1,528	\$4,209
Margine, Dr. Elena Roxana	National Science Foundation	Towards Ab Initio Prediction of Superconducting Properties	100	\$15,669	\$8,931	\$24,601
Mativetsky, Dr. Jeffrey	National Science Foundation	REU Site: Renewable Energy Generation and Storage	100	\$2,104	\$914	\$3,019
Mativetsky, Dr. Jeffrey	National Science Foundation	I-Corps: A Wearable Platform for Assessing Respiratory Health	100	\$10,000	\$1,112	\$11,112
Mativetsky, Dr. Jeffrey	Universal Instruments Corporation	Universal Instruments Sponsored Research: Consortium Solder Interconnect Studies	100	\$4,494	\$1,169	\$5,663
Piper, Dr. Louis	National Science Foundation	Rational Design of Oxide Cathode Coating for High Performance Li-ion Batteries	33	\$1,838	\$1,000	\$2,838

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Shim, Dr. Bonggu	National Science Foundation	Study of Wavelength Dependence of Plasma Collision Dynamics and Ionization Mechanism in Laser Solid Matter Interactions	100	\$4,606	\$2,626	\$7,232
Smeu, Dr. Manuel	National Science Foundation	Rational Design of Oxide Cathode Coating for High Performance Li-ion Batteries	33	\$1,838	\$1,000	\$2,838
<b>Department Total:</b>						<b>\$120,660</b>
<b>020 Political Science</b>						
Karakoc, Dr. Ekrem	University of Calgary	International Business in the Middle East and North Africa MENA: danger zones or the land of opportunity	100	\$428	\$0	\$428
<b>Department Total:</b>						<b>\$428</b>
<b>020 Psychology</b>						
Bishop, Dr. Christopher	Melior Discovery Incorporated	Melior Discovery Materials Testing Agreement	100	\$5,636	\$1,409	\$7,045
Bishop, Dr. Christopher	National Inst of Neurological Disorders & Stroke	Interrogating maladaptive serotonin raphe-striatal plasticity in L-DOPA-induced dyskinesia	100	\$61,985	\$14,569	\$76,554
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	\$2,128	\$1,213	\$3,341
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	75	\$16,046	\$9,146	\$25,192
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	CNS-mediated fever after Adolescent Intermittent Ethanol	50	\$23,774	\$10,771	\$34,545
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	90	\$11,607	\$6,616	\$18,223

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; 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	\$32,434	\$2,109	\$34,542
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	50	\$16,033	\$9,139	\$25,171
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	50	\$1,191	\$679	\$1,870
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	30	\$12,046	\$6,866	\$18,913
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	25	\$5,349	\$3,049	\$8,397
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addictions (DNA2)	20	\$418	\$33	\$451
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addictions (DNA2)	20	\$313	\$25	\$338
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Impact of Prenatal Alcohol Exposure on CRF1R Mediated Neural Mechanisms and Social Behavior- Postdoc fellowship support for Kelcie Schatz	100	\$4,342	\$0	\$4,342
Gano, Dr. Anny	National Institute for Alcohol Abuse & Alcoholism	CNS-mediated fever after Adolescent Intermittent Ethanol	25	\$11,887	\$5,385	\$17,273
Gaspelin, Dr. Nicholas	National Science Foundation	CAREER: Understanding the Relationship of Covert and Overt Attention Using Concurrent EEG and Eye Tracking	100	\$600	\$342	\$942
Gibb, Dr. Brandon E	National Institute of Mental Health	Attentional Biases for Affective Cues as a Mechanism of Risk in Children of Depressed Mothers	100	\$42,645	\$24,308	\$66,953
Gillis Mattson, Dr. Jennifer M	NYS Education Department	CARD Albany and Regional Center(s) for Autism Spectrum Disorders	100	\$113	\$9	\$122

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Gillis Mattson, Dr. Jennifer M	NYS Education Department	CARD Albany and Regional Center(s) for Autism Spectrum Disorders 22-23	100	\$1,008	\$81	\$1,089
Gillis Mattson, Dr. Jennifer M	Order of the Eastern Star of New York	Autism Research	100	\$10	\$1	\$11
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	Children's Unit for Treatment and Evaluation 2022-2023	100	\$32,399	\$4,860	\$37,259
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	Children's Unit Special Programs/ Institute for Child Development	100	\$3,179	\$477	\$3,656
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	School District Income for SEDCAR/IDEA Funding	100	\$32,260	\$2,468	\$34,727
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	Children's Unit for Treatment and Evaluation 2023-2024	100	\$270,365	\$40,555	\$310,920
Jentsch, Dr. James David	Jackson Laboratory	Center for Systems Neurogenetics of Addiction Subaward 210247-0623-06	75	\$1,569	\$894	\$2,464
Jentsch, Dr. James David	Jackson Laboratory	Center for Systems Neurogenetics of Addiction Subaward 210247-0624-06	50	\$631	\$360	\$991
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	5	\$645	\$368	\$1,012
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	70	\$28,108	\$16,022	\$44,130
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addictions (DNA2)	80	\$1,670	\$134	\$1,804
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addictions (DNA2)	80	\$1,253	\$100	\$1,353

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Jentsch, Dr. James David	National Institute on Drug Abuse	Intersecting genetic risk for extreme cocaine self-administration with dopamine neurotransmission	70	\$6,543	\$523	\$7,066
Karkhanis, Dr. Anushree N	Jackson Laboratory	Center for Systems Neurogenetics of Addiction Subaward 210247-0623-06	25	\$523	\$298	\$821
Karkhanis, Dr. Anushree N	National Institute on Drug Abuse	Intersecting genetic risk for extreme cocaine self-administration with dopamine neurotransmission	30	\$2,804	\$224	\$3,028
Karkhanis, Dr. Anushree N	Jackson Laboratory	Center for Systems Neurogenetics of Addiction Subaward 210247-0624-06	50	\$631	\$360	\$991
Karkhanis, Dr. Anushree N	National Institute for Alcohol Abuse & Alcoholism	Mechanisms of rostrocaudal differences in accumbal kappa opioid receptor effects on ethonal drinking	100	\$11,189	\$6,378	\$17,566
Mastroleo, Dr. Nadine	Brown University	Enhancing the Efficacy and Duration of a Brief Alcohol Intervention Using Self-Affirmation	100	\$4,906	\$2,796	\$7,703
Mastroleo, Dr. Nadine	Brown University	Behavioral Science and Biostatistics Resource Code for Alcohol-HIV Research Federal Award 5U24AA022003-06	100	\$1,243	\$709	\$1,952
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 Year 3 of 5	100	\$19,831	\$11,304	\$31,134
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	5	\$645	\$368	\$1,012
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	100	\$29,442	\$16,782	\$46,224
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	5	\$272	\$155	\$426
Savage, Dr. Lisa M	National Institute of General Medical Sciences	SUNY UPSTATE BRIDGES TO THE BACCALAUREATE PROGRAM (SUBBP)	50	\$32,434	\$2,109	\$34,542

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	25	\$5,372	\$3,062	\$8,433
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	CNS-mediated fever after Adolescent Intermittent Ethanol	25	\$11,887	\$5,385	\$17,273
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	10	\$543	\$310	\$853
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	50	\$16,033	\$9,139	\$25,171
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	\$7,687	\$4,381	\$12,068
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	50	\$1,191	\$679	\$1,870
Varodayan, Dr. Florence Prabha	National Institute for Alcohol Abuse & Alcoholism	Alcohol-induced neuroadaptation of prefrontal cortical projections	100	\$20,247	\$11,541	\$31,787
Varodayan, Dr. Florence Prabha	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	100	\$3,280	\$1,869	\$5,149
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	\$7,687	\$4,381	\$12,068
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	75	\$16,115	\$9,185	\$25,300
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	85	\$4,617	\$2,632	\$7,249

**Department Total: \$1,083,321**

**020 Public Archaeology Facility**

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Miroff, Dr. Laurie E	Tioga County	Geophysical Survey for Tioga County, New York	100	\$280	\$42	\$322
Miroff, Dr. Laurie E	LaBella Associates	Phase 1A Archaeological Assessment, Spring Mountain Solar Project, Town of Schwenksville, PA	100	\$221	\$33	\$255
Miroff, Dr. Laurie E	LaBella Associates	Phase 1A/1B Archaeological Survey, Independence Manor Project, Town of Flemington, NJ	100	\$175	\$26	\$201
Miroff, Dr. Laurie E	McFarland and Johnson Engineers Incorporated	Task 06 - Short Environmental Assessment for Runway 3-21 Obstruction Removal and Acquisition	100	(\$86)	(\$13)	(\$99)
Miroff, Dr. Laurie E	Multiple Sponsors	Miscellaneous Income from PAF Activities	100	\$500	\$75	\$575
Miroff, Dr. Laurie E	National Park Service	Urban Archeology Corps	100	\$12,859	\$2,250	\$15,110
Miroff, Dr. Laurie E	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$846	\$220	\$1,065
Miroff, Dr. Laurie E	NYS Education Department	Cultural Resource Survey Program	100	\$36,484	\$5,473	\$41,957
Miroff, Dr. Laurie E	Town of Lansing	Combined Phase 1A/1B Archaeological Survey, Town of Lansing Chip Storage Facility Project, Town of Lansing, Tompkins County, NY	100	\$2,085	\$313	\$2,397
Miroff, Dr. Laurie E	GZA GeoEnvironmental Incorporated	Phase 1B Archeological Survey of West Park Street Gas Main Replacement	100	\$2,445	\$367	\$2,812
Miroff, Dr. Laurie E	Strategic Mining Solutions Limited Liability Corporation	Phase 1 Archaeological Survey, Glenn Forward Project, Town of Hamilton, NY	100	\$3,118	\$468	\$3,586
Miroff, Dr. Laurie E	GZA GeoEnvironmental Incorporated	Archaeological Screening Memo and Phase 1A Archaeological Assessment of the NGRID Colton Malone 115K Rebuild Project	100	\$2,021	\$303	\$2,325

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Miroff, Dr. Laurie E	Friends of the Elmira Civil War Prison Camp	Phase 1A/1B Archaeological Survey, Elmira Civil War Prison Camp, City of Elmira, Chemung County, NY	100	\$1,831	\$275	\$2,106
Miroff, Dr. Laurie E	Foit-Albert Associates	Phase 1A/1B Archaeological Survey, CR97 & Brown Road over Fish Creek Project, PIN 7753.93 (22PR06674)	100	\$1,243	\$187	\$1,430
Miroff, Dr. Laurie E	Delta Engineers	PIN 9754.90 Harnick Road over Apalachin Creek	100	\$44	\$7	\$51
Miroff, Dr. Laurie E	Catskill Montessori School	Phase 1A/1B Archaeological Survey, Catskill Montessori School Expansion Project, (23PR02436Z) Town of Catskill, Greene County, NY	100	\$97	\$15	\$111
Miroff, Dr. Laurie E	C&S Companies	Phase 1A Archaeological Assessment, Skaneateles Water Line Project, Village of Skaneateles, Onondaga County, NY	100	\$1,382	\$207	\$1,589
Miroff, Dr. Laurie E	C&S Companies	Phase 1A/1B Archaeological Survey (all subsurface testing- 130-160 STPs across 8 acres of project area within 100 meters of wetlands/ hydric solis). NY Rome Old Oneida Road Solar Farm Project, City of Rome, Oneida County, NY	100	\$3,814	\$572	\$4,386
Miroff, Dr. Laurie E	C&S Companies	Phase 1A/ 1B Archaeological Survey, Palm Tree Estates Project, Town of Avon, Livingston County, NY	100	\$166	\$25	\$191
Miroff, Dr. Laurie E	Anchor QEA LLC	Canalways Trail Extension Project Salina Extension	100	\$110	\$17	\$127
Miroff, Dr. Laurie E	GZA GeoEnvironmental Incorporated	Phase 1B Archaeological Survey and archeological monitoring plane of Pipeline 12	100	\$942	\$141	\$1,083
Miroff, Dr. Laurie E	Bragman Companies	Horner Farmstead Project, Phase 1 Archaeological Survey (Plow/Disk & Walkover of 38-39 acres and 3.2 acres of Subsurface Survey), Town of Cicero, Onondaga County, NY	100	\$750	\$113	\$863

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Not Applicable	GZA GeoEnvironmental Incorporated	Phase 1A Archaeological Assessment of West Park Street Gas Main Replacement	100	\$151	\$23	\$173
Versaggi, Dr. Nina M	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$846	\$220	\$1,065
<b>Department Total:</b>						<b>\$83,680</b>

#### **020 Research Sponsored Prog**

Dublin, Dr. Thomas L	Multiple Sponsors	Unrestricted research activities	100	\$1,253	\$188	\$1,440
<b>Department Total:</b>						<b>\$1,440</b>

#### **020 Research VP**

Czarnecki, Dr. Steven V.	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	15	\$167	\$95	\$262
Park, Dr. Seungbae	Multiple Sponsors	Symposium and Other IEEC Activities	100	\$579	\$145	\$724
Rangarajan, Dr. Srikanth	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$1,510	\$861	\$2,370
Turner, Mr. James N	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	15	\$167	\$95	\$262
Whittingham, Dr. M Stanley	Empire State Development Corp	CFA 96852: New Energy New York	50	\$11,088	\$4,213	\$15,302
Whittingham, Dr. M Stanley	Empire State Development Corp	CFA 96852: New Energy New York	50	\$7,628	\$0	\$7,628
Whittingham, Dr. M Stanley	Empire State Development Corp	CFA 96852: New Energy New York	50	\$14,533	\$5,523	\$20,056

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Whittingham, Dr. M Stanley	Empire State Development Corp	CFA 96852: New Energy New York	50	\$1,885	\$716	\$2,601
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York: Supply Chain Development and Qualification Programs	50	\$87,967	\$0	\$87,967
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York: Workforce Development Programs	50	\$78,606	\$19,640	\$98,246
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York: Climate Justice and Social Equity Programs	50	\$30,420	\$1,384	\$31,804
Whittingham, Dr. M Stanley	Empire State Development Corp	CFA 96852: New Energy New York	50	\$6,365	\$2,419	\$8,783
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York: Battery-NY Center Operations	50	\$3,166	\$1,203	\$4,369
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York	50	\$11,829	\$3,076	\$14,905
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York: Innovation and Entrepreneurship	50	\$13,511	\$5,134	\$18,646
				<b>Department Total:</b>	<b>\$313,924</b>	
<b>020 School Of Management Acad</b>						
Yammarino, Dr. Francis J	Multiple Sponsors	Miscellaneous Income - Fran Yammarino	100	\$722	\$108	\$830
				<b>Department Total:</b>	<b>\$830</b>	
<b>020 School Of Management Admin</b>						
Dhillon, Dr. Upinder	Multiple Sponsors	Transformational Leadership Program	100	\$5,964	\$895	\$6,859
				<b>Department Total:</b>	<b>\$6,859</b>	

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
<b>020 Small Business Dev Center</b>						
Layman, Ms. Rochelle	Small Business Administration	NY SBDC Funding FY23	100	\$19,385	\$2,326	\$21,711
<b>Department Total:</b> <b>\$21,711</b>						
<b>020 Student Affairs VP</b>						
Edouard, Mr. Randall	US Department of Education	2018-2022 Binghamton University Upward Bound Program	100	\$40	\$1	\$41
Givre, Dr. Sophia J.	US Department of Education	Binghamton University Upward Bound Rural Program	100	\$45,961	\$3,669	\$49,630
Rebello, Mr. Stephen Michael	US Department of Education	Student Support Services STEM Program at Binghamton University 2020-2025	100	\$20,092	\$1,607	\$21,700
Rebello, Mr. Stephen Michael	US Department of Education	Student Support Services Program at Binghamton University 2021-2026	100	\$30,099	\$2,408	\$32,507
Rebello, Mr. Stephen Michael	US Department of Education	Binghamton University Upward Bound Program 2023-2028	100	\$63,183	\$5,042	\$68,225
<b>Department Total:</b> <b>\$172,102</b>						
<b>020 Systems Science and Indust Eng (SSIE)</b>						
Borgesen, Mr. Peter	Purdue University	CHIRP Center - Optimizing Reliability of Solder Joints Reflowed at Temperatures Below 140 Degrees Celsius Subagreement Under the Semiconductor Research Prime Agreement No 2019-PK-2878	100	\$7,285	\$4,152	\$11,437
Borgesen, Mr. Peter	Purdue University	Interactions Between Electromigration and Fatigue of Regular and Low Temperature Solder Joints Subagreement Under the Semiconductor Research Prime Agreement No 2019-PK-2878	100	\$5,006	\$2,853	\$7,859

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Borgesen, Mr. Peter	Multiple Sponsors	International Visiting Research Scholar Activities	100	\$277	\$69	\$347
Borgesen, Mr. Peter	National Science Foundation	Mechanistic Understanding of Multi-scale Sintering Behavior Influenced by Anisotropic Particle and Pore Distributions in Extrusion-based Metal Additive Manufacturing	50	\$661	\$312	\$972
Cheng, Dr. Changqing	Foxconn Industrial Internet dba FII USA Incorporated	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment	20	\$1,978	\$514	\$2,493
Cheng, Dr. Changqing	National Science Foundation	EAGER International Type 11: Sustainable International Collaboration in Spatiotemporal Modeling of Human Mobility and Contagion Dynamics for COVID-19	100	\$1,965	\$1,120	\$3,085
Deng, Dr. Jia	Foxconn Industrial Internet dba FII USA Incorporated	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment	20	\$1,978	\$514	\$2,493
Deng, Dr. Jia	National Science Foundation	Multiple-Energy- Assisted Ultrasharp Probe-Based Nanomanufacturing for High-Resolution and High-Efficiency Nanopatterning	50	\$3,347	\$1,908	\$5,256
Khasawneh, Dr. Mohammad	PCE Paragon Solutions USA Incorporated	Supporting Supply Chain Strategy Decision Science to Drive Transformational Changes	33	\$2,377	\$618	\$2,995
Khasawneh, Dr. Mohammad	Foxconn Industrial Internet dba FII USA Incorporated	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment	20	\$1,978	\$514	\$2,493
Khasawneh, Dr. Mohammad	United Health Services Hospitals Incorporated	Business Intelligence and Performance Improvement R&D (2022-2023)	50	\$16,466	\$4,281	\$20,747
Khasawneh, Dr. Mohammad	TidalHealth	Continuous Performance Improvement and System Modeling Support for TidalHealth, Inc	50	\$4,550	\$1,183	\$5,733
Khasawneh, Dr. Mohammad	SUNY Downstate Health Sciences University	Support for Supply Chain Operations Performance Improvement and Cost Reduction	50	\$12,717	\$3,306	\$16,023

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Khasawneh, Dr. Mohammad	RTSync Corporation	Model Level Integrated Architecture for Collablorate Development (CAML) Prime Contract HQ0860-22-C-7144	33	\$3,618	\$2,062	\$5,681
Khasawneh, Dr. Mohammad	Foxconn Assembly Limited Liability Company	Process Development and Improvement for New Product Introductions in Electronics Assembly	33	\$559	\$145	\$705
Khasawneh, Dr. Mohammad	Montefiore Hospital and Medical Center	Process Analysis and Performance Excellence for Integrated Delivery Care Systems	33	\$618	\$161	\$779
Khasawneh, Dr. Mohammad	Montefiore Hospital and Medical Center	Business Process Engineering Support for Network Management Systems CMO (AMD 23)	33	\$4,106	\$1,068	\$5,174
Khasawneh, Dr. Mohammad	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow and Outpatient Medication Management (AMD 6)	50	\$15,153	\$3,940	\$19,093
Khasawneh, Dr. Mohammad	Holy Name Medical Center	Advanced Data Analytics and Performance Improvement Support for Holy Name Medical Center	50	\$3,403	\$885	\$4,288
Khasawneh, Dr. Mohammad	Mount Sinai Medical Center	WISE Healthcare Systems Engineering and Analytics Support Continuous Performance Improvement Research and Implementation 12104371 Amend 5 & 6 and 7 & 8	50	\$7,064	\$1,837	\$8,900
Ning, Dr. Fuda	Sanmina Corporation	Research in Automation Software Engineering for Electronics Packaging	50	\$4,741	\$1,233	\$5,974
Ning, Dr. Fuda	Sanmina Corporation	Research in Electronics Manufacturing and Automation Engineering	50	\$4,575	\$1,190	\$5,765
Ning, Dr. Fuda	Sanmina Corporation	Research in Quality Management in Electronics Manufacturing and Packaging	50	\$5,650	\$1,469	\$7,119
Ning, Dr. Fuda	National Science Foundation	Mechanistic Understanding of Multi-scale Sintering Behavior Influenced by Anisotropic Particle and Pore Distributions in Extrusion-based Metal Additive Manufacturing	50	\$661	\$312	\$972

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Ning, Dr. Fuda	SUNY System Administration	Research Seed Grant Program	100	\$114	\$0	\$114
Poliks, Dr. Mark D	Nano-Bio Materials Consortium	Paper 52: Wireless Interstitial Fluid Monitoring Devices	100	\$200,593	\$0	\$200,593
Poliks, Dr. Mark D	SunRay Scientific LLC	Reliable, Conformable, Wearable Sensors: FA8650-22-C-5020-BU	100	\$2,454	\$1,399	\$3,853
Poliks, Dr. Mark D	SunRay Scientific LLC	Robust Conformal Interconnections for Skin Patch Electronic Sensor Systems- Agreement No. FA864922P1051	100	\$21,828	\$12,442	\$34,270
Poliks, Dr. Mark D	NYS Department of Economic Development	Center For Flexible Hybrid Medical Device Manufacturing	100	\$24,887	\$3,660	\$28,547
Poliks, Dr. Mark D	NYS Department of Economic Development	Center For Flexible Hybrid Medical Device Manufacturing	100	\$9,361	\$1,404	\$10,765
Poliks, Dr. Mark D	NextFlex	PC7.7.1: Manufacturing Approaches for Low-Cost Sustainable Single Use Medical Devices	100	\$81,654	\$6,808	\$88,462
Poliks, Dr. Mark D	NextFlex	Task 6.10: NextFlex Small-Scale mm-Wave SATCOM System & 5G Systems for UAS Attributable Platform	100	\$30,117	\$0	\$30,117
Poliks, Dr. Mark D	NextFlex	Task 6.7: NextFlex Mid-Band Phased Array Demonstrator Using Printed and Flexible Hybrid Electronics	100	\$27,678	\$6,856	\$34,534
Poliks, Dr. Mark D	NextFlex	Task 6.2: NextFlex Reliability Validation and Sustainment of Direct-Write Printed RF Devices	100	\$412	\$235	\$647
Poliks, Dr. Mark D	TTM Technologies	FlexMed Research Support/Collaboration TTM BGM	100	\$1,828	\$457	\$2,284
Poliks, Dr. Mark D	Honeywell Federal Manufacturing & Technologies LLC	Advanced Manufacturing Testing	100	\$16,356	\$9,323	\$25,679

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Poliks, Dr. Mark D	Georgia Institute of Technology	Task 6.6: Models and Tools to Predict Reliability and Life of FHE Components and Systems Work Performed in the United States	100	\$408	\$233	\$641
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$16,890	\$9,627	\$26,517
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$5,732	\$3,267	\$9,000
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$408	\$233	\$641
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$2,632	\$1,500	\$4,132
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$43,946	\$12,392	\$56,338
Poliks, Dr. Mark D	CathBuddy	Development of a Resuable, Sensor-enabled Smart Catheter	100	\$128	\$73	\$201
Poliks, Dr. Mark D	Lux Semiconductors Incorporated	PC6.1 Evaluating System-on-foil (TM) Interposer for High-Performance FHE	100	\$401	\$229	\$630
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$118,452	\$3,060	\$121,513
Santos, Dr. Daryl L	Foxconn Assembly Limited Liability Company	Process Development and Improvement for New Product Introductions in Electronics Assembly	33	\$559	\$145	\$705
Santos, Dr. Daryl L	Foxconn Industrial Internet dba FII USA Incorporated	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment	20	\$1,978	\$514	\$2,493
Santos, Dr. Daryl L	PCE Paragon Solutions USA Incorporated	Supporting Supply Chain Strategy Decision Science to Drive Transformational Changes	33	\$2,377	\$618	\$2,995

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Si, Dr. Bing	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	Sleep and Cardiometabolic Health in United States Hispanic/Latino Late Adolescents/ Young Adults	100	\$2,121	\$1,209	\$3,330
Si, Dr. Bing	State University of New York	Ray-based Functional Regression with Federated Learning	80	\$8,627	\$0	\$8,627
Si, Dr. Bing	IBM Corporation	Ray -F2R-FL: Ray Based Functional Regression with Federated Learning	80	\$8,627	\$0	\$8,627
Si, Dr. Bing	National Heart Lung and Blood Institute	Towards Precise Phenotype Discovery of Obstructive Sleep Apnea with a Data-Inclusive Multi-Study Analysis Using the National Sleep Research Resource (NSRR)	100	\$21,557	\$12,287	\$33,844
Srihari, Dr. Krishnaswami	Raymond Corporation	Inventory Optimization and Process Automation for Raymond Logistics	34	\$1,424	\$370	\$1,794
Srihari, Dr. Krishnaswami	Analog Devices, Incorporated	Packaging System Design R&D and Engineering Support	100	\$4,520	\$1,175	\$5,695
Srihari, Dr. Krishnaswami	TidalHealth	Continuous Performance Improvement and System Modeling Support for TidalHealth, Inc	50	\$4,550	\$1,183	\$5,733
Srihari, Dr. Krishnaswami	United Health Services Hospitals Incorporated	Business Intelligence and Performance Improvement R&D (2022-2023)	50	\$16,466	\$4,281	\$20,747
Srihari, Dr. Krishnaswami	SUNY Downstate Health Sciences University	Support for Supply Chain Operations Performance Improvement and Cost Reduction	50	\$12,717	\$3,306	\$16,023
Srihari, Dr. Krishnaswami	Sanmina Corporation	Process Engineering and Development at an Electronics Manufacturing and Packaging Company	100	\$4,197	\$1,091	\$5,288
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Automation Software Engineering for Electronics Packaging	50	\$4,741	\$1,233	\$5,974
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Electronics Manufacturing and Automation Engineering	50	\$4,575	\$1,190	\$5,765

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Quality Management in Electronics Manufacturing and Packaging	50	\$5,650	\$1,469	\$7,119
Srihari, Dr. Krishnaswami	RTSync Corporation	Model Level Integrated Architecture for Collaborate Development (CAML) Prime Contract HQ0860-22-C-7144	33	\$3,618	\$2,062	\$5,681
Srihari, Dr. Krishnaswami	Raymond Leasing Corporation	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting AMD 1	34	\$1,397	\$363	\$1,760
Srihari, Dr. Krishnaswami	Raymond Corporation	Supporting Continuous Improvement Team's Effort in the Project RESET	34	\$714	\$186	\$899
Srihari, Dr. Krishnaswami	Kennedy Valve Company	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	25	\$3,076	\$800	\$3,875
Srihari, Dr. Krishnaswami	PCE Paragon Solutions USA Incorporated	Supporting Supply Chain Strategy Decision Science to Drive Transformational Changes	34	\$2,449	\$637	\$3,086
Srihari, Dr. Krishnaswami	Bennett Distribution Services Limited Liability Corporation	Warehouse Operations Management and Analytics Research And Development	34	\$3,485	\$906	\$4,392
Srihari, Dr. Krishnaswami	Foxconn Assembly Limited Liability Company	Process Development and Improvement for New Product Introductions in Electronics Assembly	34	\$576	\$150	\$726
Srihari, Dr. Krishnaswami	Holy Name Medical Center	Advanced Data Analytics and Performance Improvement Support for Holy Name Medical Center	50	\$3,403	\$885	\$4,288
Srihari, Dr. Krishnaswami	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains (AMD 1. 22-23)	34	\$231	\$60	\$291
Srihari, Dr. Krishnaswami	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains (AMD#2 2023-2024)	34	\$677	\$176	\$853
Srihari, Dr. Krishnaswami	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow and Outpatient Medication Management (AMD 6)	50	\$15,153	\$3,940	\$19,093

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Srihari, Dr. Krishnaswami	Montefiore Hospital and Medical Center	Business Process Engineering Support for Network Management Systems CMO (AMD 23)	34	\$4,231	\$1,100	\$5,331
Srihari, Dr. Krishnaswami	Montefiore Hospital and Medical Center	Process Analysis and Performance Excellence for Integrated Delivery Care Systems	34	\$637	\$166	\$803
Srihari, Dr. Krishnaswami	Mount Sinai Medical Center	WISE Healthcare Systems Engineering and Analytics Support Continuous Performance Improvement Research and Implementation 12104371 Amend 5 & 6 and 7 & 8	50	\$7,064	\$1,837	\$8,900
Srihari, Dr. Krishnaswami	Foxconn Industrial Internet dba FII USA Incorporated	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment	20	\$1,978	\$514	\$2,493
Wang, Dr. Yong	Kennedy Valve Company	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	25	\$3,076	\$800	\$3,875
Wang, Dr. Yong	Raymond Leasing Corporation	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting AMD 1	33	\$1,356	\$352	\$1,708
Wang, Dr. Yong	Raymond Corporation	Supporting Continuous Improvement Team's Effort in the Project RESET	33	\$693	\$180	\$873
Wang, Dr. Yong	Raymond Corporation	Inventory Optimization and Process Automation for Raymond Logistics	33	\$1,382	\$359	\$1,742
Wang, Dr. Yong	Montefiore Hospital and Medical Center	Business Process Engineering Support for Network Management Systems CMO (AMD 23)	33	\$4,106	\$1,068	\$5,174
Wang, Dr. Yong	Bennett Distribution Services Limited Liability Corporation	Warehouse Operations Management and Analytics Research And Development	33	\$3,383	\$880	\$4,262
Wang, Dr. Yong	Montefiore Hospital and Medical Center	Process Analysis and Performance Excellence for Integrated Delivery Care Systems	33	\$618	\$161	\$779
Wang, Dr. Zimo	Kennedy Valve Company	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	25	\$3,076	\$800	\$3,875

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
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: A Systematic Integration of Reflow and Dispensing Processes with PCB Assembly for Quality Enhancement	33	\$4,849	\$2,764	\$7,613
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	\$5,126	\$2,922	\$8,048
Won, Dr. Daehan	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains (AMD 1. 22-23)	33	\$224	\$58	\$283
Won, Dr. Daehan	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains (AMD#2 2023-2024)	33	\$657	\$171	\$828
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	\$5,126	\$2,922	\$8,048
Yoon, Dr. Sangwon	Raymond Leasing Corporation	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting AMD 1	33	\$1,356	\$352	\$1,708
Yoon, Dr. Sangwon	Raymond Corporation	Supporting Continuous Improvement Team's Effort in the Project RESET	33	\$693	\$180	\$873
Yoon, Dr. Sangwon	Raymond Corporation	Inventory Optimization and Process Automation for Raymond Logistics	33	\$1,382	\$359	\$1,742
Yoon, Dr. Sangwon	RTSync Corporation	Model Level Integrated Architecture for Collaborate Development (CAML) Prime Contract HQ0860-22-C-7144	34	\$3,728	\$2,125	\$5,853

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
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: A Systematic Integration of Reflow and Dispensing Processes with PCB Assembly for Quality Enhancement	33	\$4,849	\$2,764	\$7,613
Yoon, Dr. Sangwon	Kennedy Valve Company	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	25	\$3,076	\$800	\$3,875
Yoon, Dr. Sangwon	Bennett Distribution Services Limited Liability Corporation	Warehouse Operations Management and Analytics Research And Development	33	\$3,383	\$880	\$4,262
Yoon, Dr. Sangwon	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains (AMD#2 2023-2024)	33	\$657	\$171	\$828
Yoon, Dr. Sangwon	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains (AMD 1. 22-23)	33	\$224	\$58	\$283
				<b>Department Total:</b>	<b>\$1,097,232</b>	

#### **020 Watson School Deans Office**

Ghose, Dr. Kanad	Multiple Sponsors	Membership Commitments to Phase 3 award for ES2	50	\$25,520	\$2,552	\$28,071
Ghose, Dr. Kanad	Multiple Sponsors	Miscellaneous Support for ES2	50	\$1,083	\$108	\$1,192
Ghose, Dr. Kanad	Multiple Sponsors	Membership Commitments to Phase 3 award for ES2	50	\$8,333	\$0	\$8,333
Ghose, Dr. Kanad	Multiple Sponsors	Membership Commitments to Phase 3 award for ES2	50	\$45,832	\$0	\$45,832
Gieskes, Mr. Koenraad E.	NYS Education Department	Science and Technology Entry Program (STEP)	50	\$3,971	\$27	\$3,998

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Gieskes, Mr. Koenraad E.	NYS Education Department	Science and Technology Entry Program (STEP) 2023-2024	50	\$5,511	\$441	\$5,952
Gieskes, Mr. Koenraad E.	US Department of Education	Binghamton University Upward Bound Math and Science	50	\$34,402	\$2,752	\$37,154
Gieskes, Mr. Koenraad E.	National Science Foundation	Louis Stokes New STEM Pathways and Research Alliance: State University of New York (SUNY)	100	\$1,802	\$0	\$1,802
Park, Dr. Seungbae	Advanced Semiconductor Engineering Incorporated	ASE's Membership in the IEEC, 2015-2023	100	\$15,900	\$3,180	\$19,080
Park, Dr. Seungbae	GLOBALFOUNDRIES Inc.	IEEC Membership 2022-2023	100	\$1,000	\$200	\$1,200
Park, Dr. Seungbae	NYS Department of Economic Development	Integrated Electronics Engineering Center (IEEC)	100	\$53,153	\$7,040	\$60,193
Park, Dr. Seungbae	Prismark Partners LLC	Prismark Partner's Full Membership in the IEEC	100	\$1,985	\$397	\$2,381
Park, Dr. Seungbae	Dupont Speciality Products USA LLC	E.I. du Pont IEEC Membership	100	\$1,917	\$383	\$2,301
Park, Dr. Seungbae	AVO Photonics	Avo Photonics Participating Membership in IEEC 2021-2022	100	\$8	\$2	\$9
Park, Dr. Seungbae	Corning Incorporated	IEEC Membership 2015-2023 - Corning Inc.	100	\$157	\$31	\$188
Sammakia, Dr. Bahgat G	Multiple Sponsors	Membership Commitments to Phase 3 award for ES2	50	\$45,832	\$0	\$45,832
Sammakia, Dr. Bahgat G	Multiple Sponsors	Membership Commitments to Phase 3 award for ES2	50	\$8,333	\$0	\$8,333

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F &amp; A Expended</u>	<u>Total Expended</u>
Sammakia, Dr. Bahgat G	Multiple Sponsors	Membership Commitments to Phase 3 award for ES2	50	\$25,520	\$2,552	\$28,071
Sammakia, Dr. Bahgat G	Multiple Sponsors	Miscellaneous Support for ES2	50	\$1,083	\$108	\$1,192
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	COE 2022-2023	100	\$37,849	\$0	\$37,849
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence; Small Package Systems Integration and Packaging (S3IP_ 2023-2024	100	\$69,312	\$10,397	\$79,709
Srihari, Dr. Krishnaswami	Multiple Sponsors	Income Received Through Watson School Continuing Education for SSIE Activities	100	\$1,937	\$484	\$2,421
Srihari, Dr. Krishnaswami	Multiple Sponsors	Income from Watson School Continuing Education Miscellaneous Activitites	100	\$14,258	\$3,565	\$17,823

**Department Total: \$438,918**

**Total: \$6,724,923**