

Sponsored Programs Expenditure Report

For the period July 1, 2022 - June 30, 2023



<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
020 Acad Affairs Prov VP						
Aguilar, Ms. Lorena	International Union for Conservation of Nature and Natural Resources	Advancing Gender in Enviroment	100	\$6,370	\$892	\$7,262
Fegley, Dr. Megan Elizabeth Audrey	University of Georgia	Momentary Assessment of Research Learning Enviroments	100	\$531	\$266	\$797
Imbruce, Dr. Valerie	National Endowment for the Humanities	Situating Chemical Elements in the Human World to Innovate Undergraduate Education	50	\$6,711	\$3,825	\$10,536
Imbruce, Dr. Valerie	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$60,422	\$13,166	\$73,588
Imbruce, Dr. Valerie	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$91,110	\$0	\$91,110
Imbruce, Dr. Valerie	US Department of Education	Ronald E. McNair Post-Baccalaureate Achievement 2017-2022	100	\$234,286	\$7,957	\$242,243
Light, Dr. Caitlin J.	National Science Foundation	REU Site: Early Collaborative Research Experience In Microbial Biofilm Development, Resistance, & Community Structure	90	\$1,343	\$765	\$2,108
Light, Dr. Caitlin J.	National Science Foundation	REU Site: Early Collaborative Research Experience In Microbial Biofilm Development, Resistance, & Community Structure	90	\$89,786	\$0	\$89,786
Loewen, Mr. Donald J	Multiple Sponsors - Nonsponsored	GROK Global Services	100	\$221,882	\$0	\$221,882
Ortiz, Stephen	US Department of Education	Ronald E. McNair Post-Baccalaureate Achievement 2022-2027	100	\$154,254	\$12,340	\$166,594

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Ortiz, Stephen	Arnold and Mabel Beckman Foundation	Beckman Scholars Program 2022	100	\$17,776	\$0	\$17,776
Ortiz, Stephen	Arnold and Mabel Beckman Foundation	Beckman Scholars Program 2022	100	\$21,298	\$0	\$21,298
Ortiz, Stephen	Arnold and Mabel Beckman Foundation	Beckman Scholars Program 2022	100	\$2,877	\$0	\$2,877
Ortiz, Stephen	Arnold and Mabel Beckman Foundation	Beckman Scholars Program 2022	100	\$2,877	\$0	\$2,877
Ortiz, Stephen	US Department of Education	Ronald E. McNair Post-Baccalaureate Achievement 2022-2027	100	\$1,076	\$0	\$1,076
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$60,422	\$13,166	\$73,588
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$91,110	\$0	\$91,110
Withers, Ms. Michelle D	National Science Foundation	RCN-UBE: Networking STEM initiatives to enhance (NSITE) adoption of Evidence-Based Practices	100	\$73,273	\$41,766	\$115,039
Withers, Ms. Michelle D	National Science Foundation	RCN-UBE: Networking STEM initiatives to enhance (NSITE) adoption of Evidence-Based Practices	100	\$21,485	\$0	\$21,485
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	\$80,057	\$45,632	\$125,689
<i>Department Total:</i>				<i>\$1,378,723</i>		

020 Anthropology

Digangi, Dr. Elizabeth Ann	US Department of Justice	A Virtual Anthropological Approach to the Study of Commingled Human Remains	100	\$42,647	\$3,055	\$45,702
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Lipo, Dr. Carl	International Archaeological Research Institute	DPAA Terrestrial Investigation Mission 22- 1GU, Activity #75 Bundschu Ridge, Asan-Maina Municipality, Guam	100	\$15,966	\$4,151	\$20,117
Lipo, Dr. Carl	National Science Foundation	Climate Change Impacts on the Past and Future Coastal Freshwater Resources of Oceanic Islands	100	\$9,494	\$2,469	\$11,963
McGuire, Dr. Randy	National Science Foundation	Doctoral Dissertation Improvement Award: Emergence of Settlement Patterns	100	\$999	\$259	\$1,258
McGuire, Dr. Randy	National Science Foundation	Doctoral Dissertation Research Award: The Role of Material Culture in Reconstructing Social Connectivity	100	\$3,700	\$962	\$4,661
Merriwether, Dr. David A	Alpaca Research Foundation	Candidate Gene Sequencing for Choanal Atresia in Camelids	100	\$139	\$0	\$139
Sanger, Dr. Matthew	National Science Foundation	Collaborative Research: Examination of Sites on the Georgia Bight Coastline	100	\$5,042	\$1,311	\$6,353
Van Dyke, Dr. Ruth	National Park Service	Condition Assessment and Emergency Treatment of Managed Archaeological Sites on Chacra Mesa	100	\$8,634	\$1,511	\$10,145
Wander, Dr. Katherine	National Science Foundation	Collaborative Research: The Anthropology of Demographic Transition and Livelihood Diversification	100	\$6,666	\$1,733	\$8,399
Wander, Dr. Katherine	National Science Foundation	RAPID: Evolutionary Nutritional Adaptations and COVID-19 Risk Among Healthcare Workers	100	\$18,351	\$3,213	\$21,564
Wander, Dr. Katherine	National Science Foundation	Human adaption in high-pathogen enviroments: iron, infection, and child growth and development	100	\$10,000	\$0	\$10,000
Wander, Dr. Katherine	National Science Foundation	Human adaption in high-pathogen enviroments: iron, infection, and child growth and development	100	\$107,241	\$19,681	\$126,922

Department Total: \$267,225

020 Art History

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Smart, Dr. Pamela	Getty Foundation	Supplemental Funds Getty Indian Ocean Exchanges	100	\$10,578	\$1,058	\$11,636
Smart, Dr. Pamela	National Endowment for the Humanities	Situating Chemical Elements in the Human World to Innovate Undergraduate Education	50	\$6,711	\$3,825	\$10,536
Smart, Dr. Pamela	Getty Foundation	Indian Ocean Exchanges	100	\$146,592	\$14,467	\$161,058
<i>Department Total:</i>				<i>\$183,231</i>		
<i>020 Arts and Sciences Dean</i>						
Cho, Dr. Sungdai	Cornell University	Cho Unrestricted Research Support Via Cornell	100	\$6,882	\$688	\$7,570
Holahan, Dr. Robert A	National Science Foundation	Collaborative Research: Technological Shocks and Institutional Effectiveness under Heterogeneous Risk	100	\$27,074	\$15,432	\$42,507
Homsy, Dr. George C	Cary Institute of Ecosystem Studies	An Evaluation of Stakeholder Engagement in the Rondout and Neversink Watersheds RNSP-2021-01-001	100	\$615	\$123	\$738
Massey, Dr. Sean	NYS Department of Health	Health & Human Services for Lesbian, Gay, Bisexual, and Transgender Individuals, Families, & Communities	33	\$25,348	\$3,802	\$29,150
Mixer, Dr. David	Archaeological Institute of America	Dating Changes in Preclassic Maya Monumental Architectural Styles at Actuncan, Belize	100	\$11,501	\$0	\$11,501
Patel, Dr. Nirav S	Rochester Institute of Technology	2023 Student- Fac Research Prog., Food Spoilage Mitigation through Packaging: Attitudes towards PFAS in packaging	100	\$3,971	\$1,211	\$5,183
Silberstein, Dr. Dara	NYS Department of Health	Health & Human Services for Lesbian, Gay, Bisexual, and Transgender Individuals, Families, & Communities	33	\$25,348	\$3,802	\$29,150
Wang, Dr. Yuxin	Rochester Institute of Technology	NYSP21-2022 R&D: Develop effective thermal practice and adsorption method to eliminate perfluorinated substances	60	\$12,053	\$3,676	\$15,729

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
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Department Total: \$141,527

020 Asian Asian-American Studies

Cho, Dr. Sungdai	Academy of Korean Studies	Reinforcing the Status of Korean as a World Language: Theoretical and Applied Korean Linguistics	100	\$44,884	\$4,488	\$49,373
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Department Total: \$49,373

020 Binghamton Foundation

Benner, Ms. Rebecca	Foundation of SUNY at Binghamton	Fellowship Program on Behalf of the BU Foundation/Graduate School	100	\$71,284	\$10,693	\$81,977
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Department Total: \$81,977

020 Biological Sciences

Cook, Dr. Laura	National Institute of Allergy & Infectious Disease	Transcriptomic and Genetic Differences of Group A Streptococcus in Humans: Acute Infection Versus Carriage	100	\$77,497	\$43,730	\$121,227
Cook, Dr. Laura	National Institute of Allergy & Infectious Disease	The Characterization of Streptococcus agalactiae Novel Protein, Sak_1753 in the Colonization of the Vaginal Tract	100	\$30,563	\$0	\$30,563
Davies, Dr. David	National Science Foundation	Collaborative Research: GCR: Infection-Resisting Resorbable Scaffolds for Engineering Human Tissue	33	\$1,412	\$805	\$2,217
Fiumera, Dr. Anthony	National Institute of General Medical Sciences	Laboratory Selection for Drosophila Melanogaster Genetic Variants that Confer Increased Survival on a Diabetogenic Diet	22.5	\$367	\$209	\$576
Marques, Dr. Claudia	National Inst of Environmental Health Sciences	Engineering a Small Intestinal Microbiome To Evaluate Food Additive Exposure	50	\$109,040	\$38,994	\$148,033
Marques, Dr. Claudia	National Science Foundation	Collaborative Research: GCR: Infection-Resisting Resorbable Scaffolds for Engineering Human Tissue	33	\$1,412	\$805	\$2,217
McKenney, Dr. Peter	National Institute of Allergy & Infectious Disease	Context-specific modulation of Clostridioides difficile virulence by Vancomycin-resistant Enterococcus faecium	100	\$26,988	\$15,114	\$42,102

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Meindl, Dr. Jessica Hua	National Science Foundation	Collaborative Research: Disease ecology in the midst of anthropogenic stressors: Exploring the influence of pesticides on host-parasite interactions	100	\$10,000	\$0	\$10,000
Meindl, Dr. Jessica Hua	National Science Foundation	CAREER: Evolutionary Disease Ecology- Can evolutionary responses to environmental change modify the biodiversity-disease relationship?	100	\$17,749	\$2,907	\$20,656
Meindl, Dr. Jessica Hua	National Science Foundation	Collaborative Research: Disease ecology in the midst of anthropogenic stressors: Exploring the influence of pesticides on host-parasite interactions	100	\$22,855	\$13,027	\$35,882
Musselman, Dr. Laura	National Institute of General Medical Sciences	Laboratory Selection for Drosophila Melanogaster Genetic Variants that Confer Increased Survival on a Diabetogenic Diet	77.5	\$1,265	\$721	\$1,986
Powell, Mr. Thomas	University of Florida	Dimensions: Collaborative Research: Time After Time: Adaptive Seasonal Timing Drives the Sequential Origin of Community- U of F Project: P0016611	100	\$23,658	\$13,485	\$37,144
Prior, Dr. Kirsten	National Science Foundation	EAGER: Uncovering the Role of Altered Cryptic Interactions in Driving the Demographic Success of a Range-Expanding Species	100	\$41,793	\$9,473	\$51,265
Sauer, Dr. Karin	Syracuse University	Planning Grant: Engineering Research Center for Innovative Materials and Processes for Antimicrobial Control Technologies (IMPACT)	100	\$382	\$218	\$600
Sauer, Dr. Karin	National Institute of Allergy & Infectious Disease	Dispersion and the Biofilm Matrix of Pseudomonas aeruginosa	100	\$403,522	\$138,902	\$542,424
Sauer, Dr. Karin	National Science Foundation	REU Site: Early Collaborative Research Experience In Microbial Biofilm Development, Resistance, & Community Structure	10	\$149	\$85	\$234
Sauer, Dr. Karin	National Science Foundation	REU Site: Early Collaborative Research Experience In Microbial Biofilm Development, Resistance, & Community Structure	10	\$9,976	\$0	\$9,976

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Sauer, Dr. Karin	National Science Foundation	Collaborative Research: GCR: Infection-Resisting Resorbable Scaffolds for Engineering Human Tissue	34	\$1,455	\$829	\$2,284
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	\$51,875	\$27,035	\$78,910
Schertzer, Dr. Jeffrey W	National Institute of Allergy & Infectious Disease	Pathogen Synergy Through Cross-Species Induction of Outer Membrane Vesicle Biogenesis	100	\$86,893	\$37,864	\$124,757
Sobel, Dr. James	National Science Foundation	Collaborative Research: ROL: Rapid Evolution of Reproductive Isolation via Hybrid Seed Lethality in Mimulus	100	\$26,447	\$15,075	\$41,521
Stamp, Dr. Nancy E	Howard Hughes Medical Institute	Howard Hughes Support - Freshman Research Immersion (FRI) Models	50	\$887	\$0	\$887
Withers, Ms. Michelle D	National Science Foundation	A Developmental Model to Understand the Process of Instructor Implementation of Evidence-Based Teaching Practices	100	\$13,398	\$7,637	\$21,036

Department Total: \$1,326,499

020 Biomedical Engineering

German, Dr. Guy K	National Science Foundation	CAREER: Understanding the Multi-Scale Failure Mechanics of Human Skin with Age, Ultraviolet Photodamage and Bacteria Growth	100	\$5,250	\$0	\$5,250
German, Dr. Guy K	Estee Lauder Corporation	Development of cosmetically acceptable and gentle materials/ methods that impact the machanics of epidermis	60	\$14,453	\$8,238	\$22,691
German, Dr. Guy K	Multiple Sponsors	Susan Pardee Baker Trust - Unrestricted Research Support	100	\$433	\$65	\$498
German, Dr. Guy K	National Science Foundation	CAREER: Understanding the Multi-Scale Failure Mechanics of Human Skin with Age, Ultraviolet Photodamage and Bacteria Growth	100	\$8,216	\$4,683	\$12,900
Hookway, Dr. Tracy	National Science Foundation	CAREER: Engineering Autonomic Control of Cardiac Tissues	100	\$17,546	\$10,001	\$27,548

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Hookway, Dr. Tracy	American Heart Association Incorporated	Modeling cardiac fibrosis: a 3D co-culture of cardiomyocytes, cardiac fibroblasts, and extracellular matrix components	100	\$29,924	\$0	\$29,924
Hookway, Dr. Tracy	National Heart Lung and Blood Institute	Heterotypic impacts on epicardial cells on engineered cardiac microtissue function	100	\$91,427	\$50,299	\$141,726
Jin, Dr. Sha	National Inst of Biomedical Imaging and Bioenginee	Generation of Islet Organoids in Oxygenated Scaffolds	75	\$63,629	\$35,445	\$99,073
Jin, Dr. Sha	National Science Foundation	Molecular mechanisms of tissue specific signaling for islet self-assembly	80	\$58,706	\$32,584	\$91,290
Jin, Dr. Sha	National Science Foundation	Molecular mechanisms of tissue specific signaling for islet self-assembly	100	\$12,000	\$0	\$12,000
Jin, Dr. Sha	Rochester Institute of Technology	NYSP21-2022 R&D: Reducing Food Waste by Converting it into Eco-Friendly Biodegradable Plastics	50	\$10,882	\$3,319	\$14,201
Koh, Dr. Ahyeon	National Science Foundation	CAREER: Artificial Extracellular Matrix Biosensors (e-ECM)	100	\$1,780	\$1,014	\$2,794
Koh, Dr. Ahyeon	Nano-Bio Materials Consortium	Epifluidics for Stress Monitoring	45	\$9,527	\$5,430	\$14,957
Koh, Dr. Ahyeon	Sete Digital LTDA	Apolo Project	100	\$7,084	\$4,038	\$11,121
Koh, Dr. Ahyeon	National Science Foundation	Stretchable Papertronics	50	\$61,276	\$31,360	\$92,636
Koh, Dr. Ahyeon	National Science Foundation	Power-On-Skin: Energy Generation from Sweat-Eating Bacteria for Self-Powered Electronic Skins	40	\$16,966	\$8,302	\$25,268
Koh, Dr. Ahyeon	National Science Foundation	I-Corps: Self-adhesive, nanofibrous, silicone elastomer to replace current adhesive bandages	100	\$11,257	\$1,251	\$12,508

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Li, Dr. Yizeng	National Science Foundation	CAREER: Impacts of Intracellular and Extracellular Hydraulic En.	100	\$2,016	\$1,149	\$3,165
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	\$79,102	\$44,836	\$123,938
Lu, Dr. Fake (Frank)	Estee Lauder Corporation	Development of cosmetically acceptable and gentle materials/ methods that impact the mechanics of epidermis	40	\$9,635	\$5,492	\$15,128
Lu, Dr. Fake (Frank)	National Institute of General Medical Sciences	Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	25	\$78,063	\$32,633	\$110,696
Mahler, Dr. Gretchen J	National Inst of Environmental Health Sciences	Engineering a Small Intestinal Microbiome To Evaluate Food Additive Exposure	50	\$109,040	\$38,994	\$148,033
Mahler, Dr. Gretchen J	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$18,853	\$10,471	\$29,324
Wan, Dr. Yuan	National Cancer Institute	Liquid biopsy of solitary pulmonary nodule with extracellular vesicles	100	\$306,197	\$153,485	\$459,682
Wan, Dr. Yuan	National Cancer Institute	Liquid biopsy of solitary pulmonary nodule with extracellular vesicles	100	\$10,124	\$5,771	\$15,895
Wan, Dr. Yuan	Carnegie Mellon University	Lipid nanoprobe integrated microdevice for extracellular vesicle isolation and duplex sequencing based mutation detection for non-invasive lung cancer diagnosis	100	\$53,385	\$30,430	\$83,815
Ye, Dr. Kaiming	National Science Foundation	The 2020 Advanced Biomanufacturing Conference	100	\$13,534	\$800	\$14,334
Ye, Dr. Kaiming	Johns Hopkins University	NIST Professional Research Experience Program (PREP) Partnership	100	\$109,165	\$28,383	\$137,548
Ye, Dr. Kaiming	Rochester Institute of Technology	NYSP21-2022 R&D: Reducing Food Waste by Converting it into Eco-Friendly Biodegradable Plastics	50	\$10,882	\$3,319	\$14,201

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Ye, Dr. Kaiming	University of Arkansas	EAGER: SARS-CoV-2 Pseudovirus via a novel eukaryotic construction in yeast	100	\$6,792	\$3,871	\$10,663
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	\$53,082	\$30,257	\$83,339
Ye, Dr. Kaiming	Johns Hopkins University	NIST Professional Research Experience Program (PREP) Partnership	100	\$30,843	\$6,459	\$37,302
Ye, Dr. Kaiming	National Inst of Biomedical Imaging and Bioenginee	Generation of Islet Organoids in Oxygenated Scaffolds	25	\$21,210	\$11,815	\$33,024
Ye, Dr. Kaiming	National Science Foundation	Molecular mechanisms of tissue specific signaling for islet self-assembly	20	\$14,676	\$8,146	\$22,822

Department Total: \$1,959,294

020 CCPA Deans Office

Bronstein, Dr. Laura R	University of Massachusetts Chan Medical School	Helping Youth on the Path to Employment (HYPE) Creating Economic Self Sufficiency Year 2	50	\$582	\$151	\$733
Bronstein, Dr. Laura R	University of Pennsylvania	Netter Center Regional Training Center Award, Year Two of Three 2021-2022	50	\$3,216	\$0	\$3,216
Bronstein, Dr. Laura R	NYS Education Department	Nita M. Lowey 21st Century Community Learning Centers Technical Assistance Resource Center	100	\$272,166	\$59,856	\$332,022
Bronstein, Dr. Laura R	NYS Education Department	Nita M. Lowey 21st Century Community Learning Centers Technical Assistance Resource Center	100	\$109,419	\$26,196	\$135,615
Bronstein, Dr. Laura R	NYS Education Department	Community Schools Regional Technical Assistance Center (TAC)- CARES Act Funding	100	\$40,000	\$0	\$40,000
Bronstein, Dr. Laura R	NYS Education Department	Community Schools Regional Technical Assistance Center (TAC)	100	\$233,883	\$45,411	\$279,294

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Bronstein, Dr. Laura R	NYS Education Department	Community Schools Regional Technical Assistance Center (TAC)	100	\$55,417	\$1,149	\$56,565
Bronstein, Dr. Laura R	Multiple Sponsors	CCPA Miscellaneous Income	100	\$184,270	\$27,640	\$211,910
Bronstein, Dr. Laura R	Multiple Sponsors	Continuing Education Activities	100	\$3,339	\$501	\$3,840
Bronstein, Dr. Laura R	Broome County Department of Mental Health	CA 7-340 Renewal- Mental Health Schools Project Coordinator 2022	100	\$48,200	\$7,230	\$55,430
Bronstein, Dr. Laura R	NYS Education Department	Community Schools Regional Technical Assistance Center (TAC)- CARES Act Funding	100	\$204,566	\$38,679	\$243,246
Bronstein, Dr. Laura R	University of Pennsylvania	Netter Center Regional Training Center Award, Year Three of Three 2022-2023	50	\$24,346	\$0	\$24,346
Kida, Ms. LuAnn F	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$12,637	\$3,204	\$15,842
Kida, Ms. LuAnn F	US Department of Education	Rural Mental Health in Schools Expansion Initiative	25	\$24	\$6	\$30
Kida, Ms. LuAnn F	US Department of Education	Family Partner Program: Connecting Families to School Mental Health Practice	40	\$12	\$3	\$15
Kida, Ms. LuAnn F	US Department of Education	Binghamton University Community Schools PLACE (Partnerships for Learning and Community Engagement) Initiative	30	\$78,984	\$659	\$79,644
Kida, Ms. LuAnn F	US Department of Education	Binghamton University Community Schools PLACE (Partnerships for Learning and Community Engagement) Initiative	30	\$74,971	(\$827)	\$74,145
Kida, Ms. LuAnn F	University of Pennsylvania	Netter Center Regional Training Center Award, Year Three of Three 2022-2023	50	\$24,346	\$0	\$24,346

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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	\$9,732	\$2,530	\$12,262
Kida, Ms. LuAnn F	Conrad and Virginia Klee Foundation	Promise Zone to Pilot an Early Childhood Program within BU Community Schools at the Harpursville Central School District	100	\$12,283	\$0	\$12,283
Kida, Ms. LuAnn F	Broome Tioga BOCES	BUCS Program	100	\$24,300	\$0	\$24,300
Kida, Ms. LuAnn F	University of Pennsylvania	Netter Center Regional Training Center Award, Year Two of Three 2021-2022	50	\$3,216	\$0	\$3,216
Rimkunas, Dr. Naorah	US Department of Education	Family Partner Program: Connecting Families to School Mental Health Practice	60	\$18	\$5	\$23
Rimkunas, Dr. Naorah	US Department of Education	Rural Mental Health in Schools Expansion Initiative	75	\$72	\$19	\$90

Department Total: \$1,632,412

020 CCPA Human Development

Wilton, Dr. Leo	New York University	Advancing Knowledge on Factors that Promote or Impede Engagement Along the HIV Care Continuum Over Time: A Longitudinal Mixed Methods Study of Black and Latinx Youth/ Emerging Adults Living with HIV: 2022-2023	100	\$34,546	\$19,691	\$54,237
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Department Total: \$54,237

020 CCPA Social Work

McGinley, Dr. Jacqueline	Borchard Center on Law and Aging	How We Die Alone: A Content Analysis of Facility Visitation Policies During the Pandemic	100	\$5,085	\$0	\$5,085
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Young, Dr. Sarah	NYS Department of Health	Health & Human Services for Lesbian, Gay, Bisexual, and Transgender Individuals, Families, & Communities	34	\$26,116	\$3,917	\$30,033
				Department Total:	\$35,118	
020 CCPA Teaching Learning Educ Leadership						
Humphrey, Ms. Amy L.	Mothers and Babies Perinatal Network of South Cent	Mothers & Babies PREP Summer Youth Development Program 2022	100	\$14,679	\$1,468	\$16,147
Humphrey, Ms. Amy L.	Multiple Sponsors	Income Account for Liberty Partnership Activities	100	\$312,790	\$25,023	\$337,813
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partnership Program 2021-2022	100	\$191,105	\$15,288	\$206,394
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partnerships Program 2022-2023	100	\$441,155	\$35,151	\$476,305
Kim, Dr. HoeKyeung	Academy of Korean Studies	A Study on Korean Bridging Inferences Marked by Korean Demonstrative 'ku'	100	\$18,599	\$0	\$18,599
Malin, Dr. Jo E.	US Department of Education	Talent Search Program 2021-2026	100	\$358,649	\$28,692	\$387,341
Mellin, Dr. Elizabeth	US Department of Education	Binghamton University Community Schools PLACE (Partnerships for Learning and Community Engagement) Initiative	70	\$174,933	(\$1,929)	\$173,004
Mellin, Dr. Elizabeth	US Department of Education	Binghamton University Community Schools PLACE (Partnerships for Learning and Community Engagement) Initiative	70	\$184,297	\$1,538	\$185,835
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	\$50,751	\$23,714	\$74,465
Simpson, Dr. Amber	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$12,637	\$3,204	\$15,842

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Simpson, Dr. Amber	National Science Foundation	Collaborative Research: The Notion of Failure and Maker Programming for Youth: Supporting the Professional Development, Reflection, and Learning of Informal Educators	100	\$218,443	\$115,480	\$333,923
Simpson, Dr. Amber	National Security Agency	2022 GenCyber Grant Program- State University of New York at Binghamton	25	\$4,721	\$2,360	\$7,081

Department Total: \$2,232,749

020 Chemistry

Bane Tuttle, Dr. Susan B	National Cancer Institute	Coupling through Boron: Fast, Tunable, and Versatile Bioorthogonal Reactions Producing Boron-Containing Heterocycles	100	\$21,874	\$12,468	\$34,342
Callahan, Dr. Brian P	SUNY System Administration	Research Seed Grant Program	100	\$16,298	\$0	\$16,298
Callahan, Dr. Brian P	National Institute of Allergy & Infectious Disease	Rapid SARS-CoV-2 Detection Using Amplicon Templated Reported Enzyme Assembly	100	\$55,900	\$31,314	\$87,214
Callahan, Dr. Brian P	Rensselaer Polytechnic Institute	Structural Mechanisms of Hedgehog Autoprocessing in Physiology and Disease PTE 1R01CA206592-01-A1 - Subaward A12815	100	\$168	\$93	\$261
Chernova, Ms. Natalya A.	National Science Foundation	MRI: Acquisition of a Hard X-Ray PhotoElectron Spectroscopy (HAXPES) for the Institute for Materials Research (IMR) at Binghamton University (BU)	10	\$7,040	\$0	\$7,040
Dimitrov, Mr. Nikolay	Purdue University	Dimitrov 2020 SRC CHIRP: Fine Pitch Cu-Sn Based Interconnection Below Temperatures of 180oC	100	\$15,457	\$8,811	\$24,268
Fang, Dr. Jiye	Cornell University	Development of Advanced ORR/ HOR Nano-Electrocatalysts in Alkaline Media FEDERAL Award no DE-SC0019445	100	\$17,123	\$5,146	\$22,269
Fang, Dr. Jiye	National Science Foundation	Manipulating and Exploiting Lattice Strain as a Novel Platform to Tune the Surface Work Function of Mtallic Nanocatalysts	100	\$48,118	\$27,427	\$75,545

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Goyal, Dr. Puja	National Institute of General Medical Sciences	Towards Rational Design of the Photocontrol of Calmodulin-Protein Interactions	100	\$43,711	\$24,915	\$68,626
Goyal, Dr. Puja	National Institute of General Medical Sciences	Regulation of bidirectional transport of the nucleus by adapter proteins	5	\$13,998	\$5,036	\$19,034
Grewer, Dr. Christof	Mount Sinai School of Medicine	Substrate Specificity Determinants in Nutrient Solute Carrier Transporters: Amendment 3	100	\$50,681	\$27,791	\$78,472
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	\$80,729	\$44,918	\$125,647
Guo, Dr. Huiyuan	American Chemical Society	Imaging of pH in Individual Water-in-Oil Emulsion Droplets	100	\$5,275	\$0	\$5,275
Hirschi, Dr. Jennifer Sue	National Institute of General Medical Sciences	Mechanistic Investigation into Photoredox Catalysis	100	\$171,500	\$75,731	\$247,232
Hirschi, Dr. Jennifer Sue	National Institute of General Medical Sciences	Mechanistic Investigation into Modern Catalytic Reactions	100	\$91,614	\$51,403	\$143,017
Liu, Dr. Hao	National Science Foundation	CAREER: Enabling High-performance Na-ion Battery Cathodes Via Structural Pillaring	100	\$55,060	\$30,286	\$85,346
Liu, Dr. Hao	National Science Foundation	Rational Design of Oxide Cathode Coating for High Performance Li-ion Batteries	34	\$35,242	\$19,341	\$54,583
Liu, Dr. Hao	American Chemical Society	Understanding the Structural and Electronic Effects on Heterogeneous Catalysis of Aerobic Oxidative Desulfurization	100	\$35,343	\$0	\$35,343
Liu, Dr. Hao	Rochester Institute of Technology	NYSP21-2022 R&D: Develop effective thermal practice and adsorption method to eliminate perfluorinated substances	40	\$8,035	\$2,451	\$10,486
Panetier, Dr. Julien	National Institute of General Medical Sciences	Computational Modeling of Carbon Monoxide Dehydrogenase Model Systems for Carbon Dioxide Fixation	100	\$48,183	\$26,916	\$75,099

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Panetier, Dr. Julien	Yale University	Nitrogen-Coupled Carbon Dioxide Conversion to Methylamine: Molecular Level Understanding and Tailoring of the Electrocatalysis	100	\$30,515	\$16,857	\$47,371
Qiang, Dr. Wei	National Institute of General Medical Sciences	Molecular mechanisms of membrane disruption induced by early-stage aggregation of beta-amyloid peptides	100	\$110,825	\$62,633	\$173,458
Rozners, Dr. Eriks	National Science Foundation	Collaborative Research: Nucleobase-Modified PNA for Sequence Selective Triple-Helical Recognition of Non-Coding RNA	100	\$110,974	\$58,562	\$169,535
Rozners, Dr. Eriks	Binghamton City School District	Go Green Institute	100	\$20,066	\$7,625	\$27,690
Rozners, Dr. Eriks	National Institute of Allergy & Infectious Disease	Targeting SARS-CoV-2 RNA Pseudoknots Using Triplex-Forming Peptide Nucleic Acids	100	\$142,389	\$73,894	\$216,283
Rozners, Dr. Eriks	National Institute of General Medical Sciences	Chemical approaches to control the function of regulatory RNAs	100	\$292,243	\$166,029	\$458,272
Rozners, Dr. Eriks	National Institute of General Medical Sciences	Chemical approaches to control the function of regulatory RNAs	100	\$96,872	\$0	\$96,872
Solmaz, Ms. Sozanne	National Institute of General Medical Sciences	Regulation of bidirectional transport of the nucleus by adapter proteins	95	\$265,954	\$95,685	\$361,639
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	\$127,125	\$61,735	\$188,860
Swierk, Dr. John	National Science Foundation	CAREER-CAS: Mechanistic Investigation of Photoredox Reactions	100	\$102,617	\$54,708	\$157,326
Swierk, Dr. John	American Chemical Society	Photochemical Oxidation of Refractory Sulfur Compounds for Fuel Desulfurization	100	\$43	\$0	\$43
Vetticatt, Dr. Mathew	National Institute of General Medical Sciences	Mechanistic Studies at the Frontiers of Catalysis	100	\$183,386	\$98,117	\$281,504

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Vetticatt, Dr. Mathew	National Institutes of Health	Novel Concepts and Mechanistic Probes in Catalysis	100	\$128,693	\$68,381	\$197,073
Whittingham, Dr. M Stanley	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$91,110	\$0	\$91,110
Whittingham, Dr. M Stanley	University of Maryland	FFATA: Advancing Transformational Army Batteries, II	100	\$210,943	\$66,372	\$277,315
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	\$225,036	\$128,209	\$353,245
Whittingham, Dr. M Stanley	NYS Energy Research and Development Authority	Agreement 154461: empowerST: Empowering Energy Storage Entrepreneurship in the Southern Tier	50	\$102,536	\$58,445	\$160,981
Whittingham, Dr. M Stanley	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$60,422	\$13,166	\$73,588
Whittingham, Dr. M Stanley	Materials Research Society	Binghamton Student Chapter Special Project-Smart Energy Workshop	100	\$1,000	\$0	\$1,000
Whittingham, Dr. M Stanley	DiMien LLC	STTR Phase II: Multi-Electron Intercalation Reactions for High Capacity Lithium Batteries	100	\$13,826	\$7,881	\$21,707
Whittingham, Dr. M Stanley	LG Energy Solutions	A Cobalt and Nickel Free High Energy Density Intercalation Cathode for Lithium or Lithium-ion Batteries	100	\$56,469	\$32,187	\$88,656
Zhong, Dr. Chuan Jian	Mecotech Incorporated	Unrestricted Research	100	\$22,680	\$3,402	\$26,082
Zhong, Dr. Chuan Jian	National Science Foundation	I-Corps: Low-Cost and Highly Efficient Hydrogen Production from Water Splitting	50	\$1,921	\$213	\$2,134

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Zhong, Dr. Chuan Jian	National Science Foundation	CAS: Role of Dynamic Surface/ Subsurface Oxygenation of Noble Metal/ 3d-Transition Metal Alloy Nanoparticles in Oxidation Reactions	100	\$120,015	\$66,786	\$186,801
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	\$33,773	\$0	\$33,773
Department Total:				\$4,907,714		

020 Cinema

Jacobs, Dr. Kenneth	National Film Preservation Foundation	Binghamton, My India	100	\$2,923	\$0	\$2,923
Department Total:				\$2,923		

020 Computer Science

Blackburn, Dr. Jeremy	National Science Foundation	Collaborative Research: SaTC: Core: Small: Detecting Accounts Involved in Influence Campaigns on Social Media	100	\$54,744	\$30,655	\$85,400
Blackburn, Dr. Jeremy	National Science Foundation	CAREER: Towards a Data-Driven Understanding of Online Sentiment	100	\$88,865	\$49,555	\$138,420
Chiu, Dr. Kenneth	National Science Foundation	Spokes: SMALL: NORTHEAST: Collaborative: Building the Community to Address Data Integration of the Ecological Long Tail	100	\$23,303	\$13,283	\$36,586
Chiu, Dr. Kenneth	TOTALenergies E&P Research & Technology USA, LLC	Performance Measurement, Analysis, and Tuning of Seismic and Machine Learning Workloads	100	\$97,922	\$53,620	\$151,542
Dai, Dr. Weiyong	Cornell University	Basal forebrain connections to the heart and mind in healthy aging	100	\$14,054	\$8,011	\$22,064
Dai, Dr. Weiyong	Feinstein Institute for Medical Research	Functional MRI in Schizophrenia	100	\$15,551	\$8,864	\$24,415

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Dai, Dr. Weiyang	National Science Foundation	Mechanics of the Formation of Cortical Folding Patterns in the Developing Human Brain	50	\$78,749	\$37,368	\$116,117
Ghose, Dr. Kanad	Villanova University	I/UCRC Phase 111: Center for Energy Smart Electronic Systems (ES2) Subaward No. 525942SUNY	50	\$3,347	\$1,908	\$5,255
Ghose, Dr. Kanad	National Science Foundation	IUCRC Phase III Binghamton University: Center for Energy-Smart Electronic Systems (ES2)	50	\$7,689	\$4,383	\$12,071
Ghose, Dr. Kanad	National Science Foundation	Collaborative Research: CNS Core: Large: Systems and Verifiable Metrics for Sustainable Data Centers	50	\$3,161	\$1,801	\$4,962
Ghose, Dr. Kanad	University of Texas at Arlington	I/UCRC Phase III University of TX Arlington: Center for Energy-Smart Electronic System (ES2)	50	\$3,347	\$1,908	\$5,255
Gopalan, Dr. Kartik	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$5,617	\$3,202	\$8,818
Gopalan, Dr. Kartik	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$10,170	\$5,797	\$15,967
Gopalan, Dr. Kartik	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$6,783	\$0	\$6,783
Govindaraju, Dr. Madhusudhan	Multiple Sponsors	CS Internationalization Program	100	\$1,807	\$452	\$2,258
Kang, Dr. Kyoung-Don	National Science Foundation	CNS Core: Small: Toward Real-Time Stream Processing in Edge Devices	100	\$106,676	\$59,707	\$166,383
Liu, Dr. Yu David	National Science Foundation	Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	50	\$8,000	\$0	\$8,000
Liu, Dr. Yu David	National Science Foundation	CRI: CI-New: Collaborative Research: Extensible, Software Enabled Unmanned Aerial Vehicles	100	\$18,744	\$10,684	\$29,427

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Liu, Dr. Yu David	National Science Foundation	Collaborative Research: CNS Core: Large: Systems and Verifiable Metrics for Sustainable Data Centers	50	\$3,161	\$1,801	\$4,962
Liu, Dr. Yu David	National Science Foundation	CNS Core: Small: Language Runtime Support for Energy- Aware Applications	100	\$80,958	\$41,314	\$122,272
Liu, Dr. Yu David	National Science Foundation	SHF: Small: Lazy Data Structures for Data-Intensive Applications	100	\$6,298	\$3,649	\$9,947
Liu, Dr. Yu David	National Science Foundation	Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	50	\$46,053	\$22,830	\$68,883
Lu, Mr. Hui	National Science Foundation	CNS Core: Small: Collaborative: Salvaging Commodity Operating Systems to Support Emerging Networking Technologies	100	\$63,165	\$36,004	\$99,169
Naghibijouybari, Dr. Hoda	National Science Foundation	SaTC: CORE: Small: Microarchitectural side channel attacks and defenses in integrated CPU-GPU systems	100	\$72,959	\$34,747	\$107,706
Naghibijouybari, Dr. Hoda	National Science Foundation	SaTC: CORE: Small: Microarchitectural side channel attacks and defenses in integrated CPU-GPU systems	100	\$7,667	\$0	\$7,667
Ponomarev, Dr. Dmitry V	National Science Foundation	Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	50	\$46,053	\$22,830	\$68,883
Ponomarev, Dr. Dmitry V	National Science Foundation	Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	50	\$8,000	\$0	\$8,000
Ponomarev, Dr. Dmitry V	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$10,170	\$5,797	\$15,967
Ponomarev, Dr. Dmitry V	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$6,783	\$0	\$6,783
Ponomarev, Dr. Dmitry V	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$5,617	\$3,202	\$8,818

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Prakash, Dr. Aravind	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$6,783	\$0	\$6,783
Prakash, Dr. Aravind	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$5,617	\$3,202	\$8,818
Prakash, Dr. Aravind	US Navy Office of Naval Research	ALBER: A Backward-Compatible Late-Stage Debloating Platform for Mobile and Desktop Environments	100	\$15,862	\$9,041	\$24,903
Prakash, Dr. Aravind	National Science Foundation	CAREER: Binary-Level Security via ABI-Centric Semantic Inference	100	\$53,033	\$29,131	\$82,165
Prakash, Dr. Aravind	Critical Technologies Incorporated	Self-Healing Ship/ Software Systems (SHSS)	100	\$1,315	\$750	\$2,065
Prakash, Dr. Aravind	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$10,170	\$5,797	\$15,967
Shin, Dr. Seunghee	National Science Foundation	CAREER: Hardware/Software Co-Design for Serverless Computing	100	\$37,505	\$21,378	\$58,882
Shin, Dr. Seunghee	Research and Business Foundation of Korea University	Research on CPU vulnerability detection and valifation_2022	100	\$33,668	\$5,724	\$39,392
Yan, Dr. Guanhua	National Science Foundation	Career: Proactive Techniques for Enhancing Security and Resilience of Mobile Communication Infrastructure	100	\$65,488	\$27,146	\$92,634
Yan, Dr. Guanhua	National Security Agency	2022 GenCyber Grant Program- State University of New York at Binghamton	25	\$4,721	\$2,360	\$7,081
Yan, Dr. Guanhua	National Science Foundation	CICI: RSARC: Infrastructure support for securing large-scale scientific workflows	35	\$22,830	\$13,013	\$35,843
Yan, Dr. Guanhua	IBM Corporation	Real-Time Detection of Advanced Malware Attacks with Ensembles of Graph Neural Networks	60	\$11,927	\$0	\$11,927

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Yan, Dr. Guanhua	State University of New York	Real-Time Detection of Advanced Malware Attacks with Ensembles of Graph Neural Networks	60	\$32,000	\$0	\$32,000
Yang, Dr. Ping	State University of New York	Real-Time Detection of Advanced Malware Attacks with Ensembles of Graph Neural Networks	40	\$21,333	\$0	\$21,333
Yang, Dr. Ping	IBM Corporation	Real-Time Detection of Advanced Malware Attacks with Ensembles of Graph Neural Networks	40	\$7,951	\$0	\$7,951
Yang, Dr. Ping	National Science Foundation	CICI: RSARC: Infrastructure support for securing large-scale scientific workflows	65	\$42,399	\$24,167	\$66,566
Yang, Dr. Ping	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	40	\$27,120	\$15,458	\$42,578
Yang, Dr. Ping	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	40	\$18,089	\$0	\$18,089
Yang, Dr. Ping	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	40	\$14,978	\$8,538	\$23,516
Yang, Dr. Ping	National Security Agency	2022 GenCyber Grant Program- State University of New York at Binghamton	50	\$9,441	\$4,721	\$14,162
Yu, Dr. Lei	NYS Energy Research and Development Authority	Stability Impact Analysis of the New York Power Grid with High Penetration of Inverter Based Distributed Energy Resources Agreement 159612	40	\$62,154	\$21,165	\$83,319
Yu, Dr. Lei	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$60,406	\$19,474	\$79,880
Zhang, Dr. Shiqi	Ford Motor Company	Ford RIC Unrestricted Support	100	\$96,179	\$14,427	\$110,606
Zhang, Dr. Shiqi	National Science Foundation	NRI: FND: Knowledge-based Robot Sequential Decision Making under Uncertainty	100	\$73,205	\$40,629	\$113,835

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Zhang, Dr. Shiqi	National Science Foundation	NRI: FND: Knowledge-based Robot Sequential Decision Making under Uncertainty	100	\$1,254	\$0	\$1,254
Zhang, Dr. Yifan	National Science Foundation	CAREER: Enabling Edge-hosted Private Services via Unikernel based Lightweight Virtualization	100	\$30,136	\$17,177	\$47,313
Zhang, Dr. Yifan	National Science Foundation	CAREER: Enabling Edge-hosted Private Services via Unikernel based Lightweight Virtualization	100	\$6,000	\$0	\$6,000
Department Total:				\$2,423,644		

020 Decker/Health and Wellness Studies

Begdache, Ms. Lina A	Nano-Bio Materials Consortium	Epifluidics for Stress Monitoring	25	\$5,293	\$3,017	\$8,310
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Department Total: \$8,310

020 Decker/School of Nursing

Bryant, Dr. Sharon A	US Department of Education	Binghamton University Upward Bound Math and Science	50	\$11,910	\$953	\$12,863
Bryant, Dr. Sharon A	US Department of Education	Binghamton University Upward Bound Math and Science 2017-2022	100	\$4,110	\$0	\$4,110
Bryant, Dr. Sharon A	US Department of Education	Binghamton University Upward Bound Math and Science 2017-2022	100	\$153,261	\$12,261	\$165,522
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP)	50	\$75,649	\$6,052	\$81,701
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science Technology Entry Program 2022-2023	100	\$183,479	\$14,678	\$198,158
Bryant, Dr. Sharon A	NYS Education Department	STEP 2021-2022	50	\$9,139	\$582	\$9,722

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science Technology Entry Program	100	\$42,396	\$3,392	\$45,788
Fronczek, Ms. Ann	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$174,416	\$0	\$174,416
Fronczek, Ms. Ann	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$34,246	\$2,740	\$36,986
Fronczek, Ms. Ann	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$13,784	\$0	\$13,784
Fronczek, Ms. Ann	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$271,947	\$21,756	\$293,703
Palmer, Ms. Deborah	International Home Care Nurses Organization	Bringing Nursing Home	25	\$234	\$0	\$234
Reuther, Ms. Patricia	International Home Care Nurses Organization	Bringing Nursing Home	25	\$234	\$0	\$234
Rouhana, Dr. Nicole A.	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$174,416	\$0	\$174,416
Rouhana, Dr. Nicole A.	Mary Imogene Bassett Hospital	Advanced Nursing Education- Nurse Practitioner Residence Program (ANE-NPR Program)	100	\$28,636	\$2,864	\$31,500
Rouhana, Dr. Nicole A.	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$271,947	\$21,756	\$293,703
Rouhana, Dr. Nicole A.	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$13,784	\$0	\$13,784
Rouhana, Dr. Nicole A.	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$34,246	\$2,740	\$36,986

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Sprague, Lisa M	International Home Care Nurses Organization	Bringing Nursing Home	25	\$234	\$0	\$234
Sutherland, Ms. Jodi L	International Home Care Nurses Organization	Bringing Nursing Home	25	\$234	\$0	\$234
Department Total:				\$1,588,077		

020 Decker/Speech Language Pathology

Duff, Dr. Dawna	University of South Carolina	Word Learning in Reading and Language Impairment Subgroups PO20000660002/ USC10008542	100	\$105,844	\$60,331	\$166,175
Gabel, Dr. Rodney	Gigis Playhouse	Clinical Placement Agreement between GIGI's Playhouse Southern Tier and The Research Foundation For The State University of New York, Binghamton University	100	\$3,572	\$928	\$4,500
Gabel, Dr. Rodney	Newark Valley Central School District	Clinical Placement Agreement between Newark Valley Central School District and The Research Foundation For The State University of New York, Binghamton University	100	\$5,714	\$1,486	\$7,200
Department Total:				\$177,875		

020 Economics

Hanes, Dr. Christopher	National Science Foundation	Cliometrics Conferences 2021, 2023, and World Congress for 2022	50	\$1,413	\$367	\$1,780
Hanes, Dr. Christopher	National Science Foundation	Doctoral Dissertation Research in Economics: The Effects of Micro-Finance Access on Economic and Social Outcomes of Low Income Women	50	\$12,422	\$3,230	\$15,651
Khanna, Dr. Neha	North Carolina Agricultural and Technical State University	Eir: Enviromental Justice and the Multigenerational Persistence of Environmental Exposure	100	\$31,556	\$17,987	\$49,543

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Nikolov, Mr. Plamen	National Science Foundation	Doctoral Dissertation Research in Economics: The Effects of Micro-Finance Access on Economic and Social Outcomes of Low Income Women	50	\$12,422	\$3,230	\$15,651
Wolcott, Dr. Susan	National Science Foundation	Clometrics Conferences 2021, 2023, and World Congress for 2022	50	\$1,413	\$367	\$1,780
Wolcott, Dr. Susan	National Science Foundation	Cilometrics Conferences for 2018, 2019, and 2020	100	\$21,098	\$1,891	\$22,989
Yang, Dr. Zili	Yale University	DICE/RICE Modeling Works for Yale Climate Change Research Program (YCCPR)	100	\$26,482	\$2,648	\$29,130
Department Total:				\$136,524		

020 Electrical and Computer Engineering

Akyol, Dr. Emrah	National Science Foundation	CIF: Small: Strategic Communication: Conceppts, Methods, and Applications	100	\$49,245	\$28,070	\$77,315
Akyol, Dr. Emrah	National Science Foundation	CAREER: A Holistic Framework for the Analysis of Information Dynamics in Human Networks	100	\$88,731	\$46,059	\$134,789
Chen, Dr. Yu	Intelligent Fusion Technology Incorporated	ROBOT: Resilience Oriented Blockchain Operational Transactor for Urban Air Mobility Networks - FA9550-22-P-0011	100	\$17,159	\$9,232	\$26,391
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	\$24,575	\$13,459	\$38,035
Chen, Dr. Yu	US Air Force Office of Scientific Research	5G-MiWIS: A Testbed for an Environmental Resilient 5G Millimeter Wave Imaging Technology based Surveillance System	50	\$107,381	\$0	\$107,381
Chen, Dr. Yu	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$5,617	\$3,202	\$8,818

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Chen, Dr. Yu	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$6,783	\$0	\$6,783
Chen, Dr. Yu	National Science Foundation	CyberCorps Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	15	\$10,170	\$5,797	\$15,967
Chen, Dr. Yu	National Science Foundation	EAGER: SaTC: SAVED: Secure Audio and Video Data from Deepfake Attacks Leveraging Environmental Fingerprints	100	\$69,289	\$34,407	\$103,695
Chen, Dr. Yu	National Science Foundation	EAGER: SaTC: CORE: Small: Decentralized Assurance by Fair Proof of Work Consensus Federated Ledgers	100	\$41,568	\$22,596	\$64,165
Choi, Dr. Seokheun	National Science Foundation	Power-On-Skin: Energy Generation from Sweat-Eating Bacteria for Self-Powered Electronic Skins	60	\$25,448	\$12,454	\$37,902
Choi, Dr. Seokheun	US Navy Office of Naval Research	Plug-n-Play Micro-Bio-Photovoltaic Panels	100	\$74,898	\$39,272	\$114,169
Choi, Dr. Seokheun	National Science Foundation	Rapid, High-Throughput, and Real-time Assessment of Antibiotic Effectiveness against Pathogenic Biofilms	100	\$37,809	\$21,551	\$59,360
Choi, Dr. Seokheun	National Science Foundation	Stretchable Papertronics	50	\$61,276	\$31,360	\$92,636
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	50	\$1,323	\$754	\$2,077
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	\$26,010	\$11,616	\$37,625
Das, Dr. Pritam	National Science Foundation	I-Corps - Vanadium Redox Flow Batteries for Small Urban Businesses	100	\$1,788	\$199	\$1,986

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Das, Dr. Pritam	NYS Energy Research and Development Authority	Agreement 127609- A Flexible Storage Plus Distributed Energy Resource (DER) Solution for Warehouse Energy Management	40	\$146,846	\$9,462	\$156,309
Das, Dr. Pritam	NYS Energy Research and Development Authority	Feasibility Study of an Onboard XFC/Motor Drive System with Extended Lifetime Batteries Agreement No. 138104	100	\$2,120	\$1,208	\$3,329
Dhakal, Dr. Tara Prasad	GVD Corporation	SBIR Phase II: Reduced Environmental Controls in Perovskite Solar Cell Manufacturing Enabled by Vacuum-Deposited Gas Barrier Coatings	100	\$14,803	\$8,438	\$23,241
Dhakal, Dr. Tara Prasad	National Science Foundation	CAREER: Toward Twenty Year Lifetime: Hermetic Sealing for Perovskite Solar Cells	100	\$80,817	\$44,699	\$125,516
Dhakal, Dr. Tara Prasad	National Science Foundation	MRI: Acquisition of a Hard X-Ray PhotoElectron Spectroscopy (HAXPES) for the Institute for Materials Research (IMR) at Binghamton University (BU)	10	\$7,040	\$0	\$7,040
Dhakal, Dr. Tara Prasad	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	50	\$34,887	\$19,209	\$54,096
Dhakal, Dr. Tara Prasad	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	50	\$8,594	\$955	\$9,549
Dhakal, Dr. Tara Prasad	SunDensity	Center for Autonomous Solar Power (CASP): Evaluation Services Agreement	100	\$12,970	\$7,393	\$20,364
Fridrich, Dr. Jessica J.	National Science Foundation	SaTC: CORE: Medium: Steganography Based on Sensor Capture Models: Replacing Heuristics with Model-Based Designs	100	\$143,894	\$74,675	\$218,569
Klotzkin, Dr. David	Best Epitaxy Manufacturing Company Limited	Optimization of Epitaxial Structures for LiDAR Applications	100	\$22,805	\$12,999	\$35,804
Klotzkin, Dr. David	Source Photonics Incorporated	Modeling-based Design of Photon-Photon Resonance and Detuned Loading Device for Ultrahigh Bandwidths	100	\$6,042	\$3,444	\$9,486
Li, Dr. Jian	National Science Foundation	CRII: CNS: NeTS: Adaptive Cache Dimensioning in Cloud CDNs: Foundations and Practice	100	\$31,556	\$17,438	\$48,995

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Li, Dr. Jian	New York University	RINGS: Resilient Edge Networks with Data-driven Model-based Learning	100	\$29,457	\$16,242	\$45,699
Li, Dr. Jian	US Army Research Office	Resource Constrained Reinforcement Learning for Adaptive Data Analytics in Tactical Networks	100	\$22,657	\$12,366	\$35,023
Li, Dr. Jian	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$60,406	\$19,474	\$79,880
Li, Dr. Xiaohua	US Air Force Office of Scientific Research	5G-MiWIS: A Testbed for an Environmental Resilient 5G Millimeter Wave Imaging Technology based Surveillance System	50	\$107,381	\$0	\$107,381
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	\$24,575	\$13,459	\$38,035
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	\$21,281	\$9,504	\$30,784
Towfighian, Dr. Shahrzad	National Inst of Arthritis Musculoskeletal & Skin	Self-Powered Load Sensors for Total Knee Replacement Health Monitoring	100	\$0	\$14,250	\$14,250
Zhang, Dr. Ziang	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$60,406	\$19,474	\$79,880
Zhang, Dr. Ziang	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	20	\$13,955	\$7,683	\$21,638
Zhang, Dr. Ziang	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	20	\$3,437	\$382	\$3,819
Zhang, Dr. Ziang	NYS Energy Research and Development Authority	Agreement 127609- A Flexible Storage Plus Distributed Energy Resource (DER) Solution for Warehouse Energy Management	60	\$220,270	\$14,193	\$234,463

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Zhang, Dr. Ziang	NYS Energy Research and Development Authority	Stability Impact Analysis of the New York Power Grid with High Penetration of Inverter Based Distributed Energy Resources Agreement 159612	60	\$93,231	\$31,747	\$124,978
Zhang, Dr. Ziang	Empire State Development Corp	Smart Cities Innovation Partnership Project: Advanced Water Meters in New York State: Capital Grant: Project#134,146	33	\$55,857	\$2,373	\$58,230
Zhou, Dr. Ning	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$60,406	\$19,474	\$79,880
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	\$3,390	\$1,932	\$5,322
Zhou, Dr. Ning	National Science Foundation	CAREER: Integrated Dynamic State Estimation for Monitoring Power Systems Under High Uncertainty and Variation	100	\$72,697	\$38,693	\$111,390

Department Total: \$2,712,041

020 Entrepreneurship and Innovation Partnership

Francisco, Mrs. Michele R.	Economic Development Administration	Trade Adjustment Assistance Center Serving New York, New Jersey, and the Commonwealth of Puerto Rico	100	\$512,153	\$98,333	\$610,486
Francisco, Mrs. Michele R.	Economic Development Administration	Trade Adjustment Assistance Center Serving New York, New Jersey, and the Commonwealth of Puerto Rico	100	\$18,677	\$5,005	\$23,683
Francisco, Mrs. Michele R.	Economic Development Administration	FY2021 Trade Adjustment Assistance Center Service New York, New Jersey, and the Commonwealth of Puerto Rico	100	\$221,510	\$41,093	\$262,603
Francisco, Mrs. Michele R.	Multiple Sponsors	Trade Adjustment Assistance Center Income Account	100	\$3,299	\$0	\$3,299
Iankova, Dr. Elena A	Economic Development Administration	Soft Landings in New York's Southern Tier	50	\$184,478	\$44,761	\$229,238

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
McLeod, Dr. Kenneth J	VentureWell	Faculty Grant - Developing an Entrepreneurial Mindset in First Year Women Students	100	\$3,335	\$0	\$3,335
Petrova, Dr. Olga	National Science Foundation	PFI-TT: Developing a vacuum stripping and absorption system for value-added ammonia removal from wastewater	100	\$8,205	\$2,133	\$10,339
Petrova, Dr. Olga	Cornell University	NSF I-Corps Hub (Track 1): Interior Northeast	25	\$10,778	\$2,802	\$13,580
Petrova, Dr. Olga	VentureWell	Integrated Biomedical Entrepreneurship Training (IBET)	100	\$2,485	\$0	\$2,485
Petrova, Dr. Olga	National Science Foundation	I-Corps: Manufacturing Process for Recycled Glass Pozzolan	100	\$12,016	\$1,335	\$13,351
Stromhaug, Dr. Per	Multiple Sponsors	Export NY Coordinator and Continued CIBA Activities	100	\$4,610	\$692	\$5,302
Stromhaug, Dr. Per	National Science Foundation	Type 1: Innovation Binghamton NSF I-Corps Site	100	\$192,206	\$0	\$192,206
Stromhaug, Dr. Per	National Science Foundation	Type 1: Innovation Binghamton NSF I-Corps Site	100	\$13,517	\$7,705	\$21,222
Stromhaug, Dr. Per	National Science Foundation	Type 1: Innovation Binghamton NSF I-Corps Site	100	\$31,714	\$18,077	\$49,791
Stromhaug, Dr. Per	Empire State Development Corp	CFA 96852: New Energy New York	50	\$11,435	\$0	\$11,435
Stromhaug, Dr. Per	New Energy Nexus New York	Supercharge New York	100	\$91,545	\$23,802	\$115,346
Stromhaug, Dr. Per	NYS Department of Economic Development	New York State Business Incubator and Innovation Hot Spot Support Program	100	\$31,335	\$0	\$31,335

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Stromhaug, Dr. Per	Empire State Development Corp	CFA 96852: New Energy New York	50	\$38,659	\$5,208	\$43,867
Stromhaug, Dr. Per	NYS Energy Research and Development Authority	Southern Tier Clean Energy Incubator-NYSERDA 110470	100	\$201,697	\$52,441	\$254,138
Stromhaug, Dr. Per	National Science Foundation	I-Corps Teams: Thin Flexible Fuel Cell	100	\$10,020	\$1,114	\$11,134
Stromhaug, Dr. Per	NYS Energy Research and Development Authority	Agreement 154461: empowerST: Empowering Energy Storage Entrepreneurship in the Southern Tier	50	\$102,536	\$58,445	\$160,981
Stromhaug, Dr. Per	NYS Electric and Gas Corporation	NYSEG Ignition Program	100	\$175,000	\$0	\$175,000
Stromhaug, Dr. Per	Economic Development Administration	Soft Landings in New York's Southern Tier	50	\$184,478	\$44,761	\$229,238
Stromhaug, Dr. Per	NYS Department of Economic Development	New York State Business Incubator and Innovation Hot Spot Support Program	100	\$125,000	\$0	\$125,000
Stromhaug, Dr. Per	Cornell University	NSF I-Corps Hub (Track 1): Interior Northeast	25	\$10,778	\$2,802	\$13,580
Stromhaug, Dr. Per	Empire State Development Corp	CFA 96852: New Energy New York	50	\$57,895	\$22,000	\$79,895
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York	50	\$63,308	\$16,460	\$79,768
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York: Battery-NY Center Operations	50	\$28,744	\$10,923	\$39,667
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York: Climate Justice and Social Equity Programs	50	\$31,161	\$10,203	\$41,364

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York: Workforce Development Programs	50	\$250,050	\$37,768	\$287,818
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York: Innovation and Entrepreneurship	50	\$73,351	\$27,874	\$101,225
Stromhaug, Dr. Per	Economic Development Administration	New Energy New York: Supply Chain Development and Qualification Programs	50	\$45,510	\$4,750	\$50,260
Stromhaug, Dr. Per	Empire State Development Corp	CFA 96852: New Energy New York	50	\$16,917	\$3,389	\$20,306
Stromhaug, Dr. Per	Empire State Development Corp	CFA 96852: New Energy New York	50	\$709,692	\$24,583	\$734,275
Stromhaug, Dr. Per	Economic Development Administration	EDA i6 Challenge Binghamton XCEEDs	100	\$150,693	\$21,772	\$172,465
Department Total:				\$4,219,016		
020 Environmental Studies						
Iacobucci, Jennifer	SUNY System Administration	Research Seed Grant Program	100	\$2,709	\$0	\$2,709
Velardi, Miss Sara H.	National Science Foundation	How Competing Sociotechnical Imaginaries Shape Trust and Governance of Gene Editing in Agriculture and Food	100	\$3,784	\$2,157	\$5,941
Department Total:				\$8,650		
020 Geography						
Deng, Dr. Chengbin	Empire State Development Corp	Smart Cities Innovation Partnership Project: Advanced Water Meters in New York State: Capital Grant: Project#134,146	33	\$55,857	\$2,373	\$58,230
Department Total:				\$58,230		
020 Geological Sci & Environmental Studies						

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
de Smet, Dr. Timothy	National Science Foundation	I-Corps: An integrated wide-area unmanned aerial vehicle (UAV) aeromagnetic survey system targeting orphaned oil and gas wells	50	\$1,428	\$159	\$1,586
Jenkins, Dr. David M	National Science Foundation	Stability and Thermochemistry of some Chlorine-Bearing Calcium Amphiboles	100	\$3,269	\$1,326	\$4,595
Knuepfer, Dr. Peter	NYS Department of Environmental Conservation	Great Lakes Small Grants Program	100	\$1,122	\$0	\$1,122
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	\$1,781	\$1,015	\$2,796
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	\$14,188	\$3,689	\$17,877
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	\$12,250	\$1,225	\$13,475
Lowenstein, Dr. Tim K	National Science Foundation	Collaborative Research: Anatomy of a Greenhouse World: The Early Eocene of the Green River Basin, Wyoming	100	\$41,724	\$10,726	\$52,450
Lowenstein, Dr. Tim K	National Science Foundation	Collaborative Research: Regional hydrologic and vegetation changes over the last 150 kyr in the Searles and Death Valley basins	100	\$712	\$406	\$1,118
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	\$19,910	\$2,986	\$22,896
Nikulin, Dr. Alex	National Science Foundation	I-Corps: Delivering Integrated Technology for Automated Wide-Area Humanitarian Mine Action Surveys	100	\$30,882	\$3,434	\$34,316
Nikulin, Dr. Alex	American Chemical Society	Unconventional Seismic Imaging in Unconventional Reservoir Characterization : A Passive-Source Seismic Investigation of the Marcellus and Utica Shale Plays	100	\$14,003	\$0	\$14,003

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Nikulin, Dr. Alex	National Science Foundation	I-Corps: An integrated wide-area unmanned aerial vehicle (UAV) aeromagnetic survey system targeting orphaned oil and gas wells	50	\$1,428	\$159	\$1,586
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	\$41,029	\$10,668	\$51,697
Patterson, Dr. Molly	National Science Foundation	Collaborative Research: Sensitivity of the West Antarctic Ice Sheet to 2? Celsius (SWAIS 2C)	100	\$11,277	\$6,428	\$17,705
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	\$5,881	\$0	\$5,881
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	\$5,881	\$0	\$5,881

Department Total: \$248,985

020 Graduate School Dean

Mahler, Dr. Gretchen J	National Science Foundation	Graduate Research Fellowship Funding 2021-2026	100	\$997	\$0	\$997
Mahler, Dr. Gretchen J	National Science Foundation	Graduate Research Fellowship Funding 2021-2026	100	\$6,689	\$0	\$6,689

Department Total: \$7,686

020 Library Administration

Gallagher, Dr. Matt	NYS Education Department	Library Collection 2022-2023	100	\$22,613	\$0	\$22,613
Parks, Ms. Heather	NYS Education Department	Conservation & Preservation 2020-2023 0306218993/ 030600925/0306239242	100	\$70,734	\$0	\$70,734

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
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Department Total: \$93,348

020 Mathematical Sciences

Borisov, Dr. Alexander	National Science Foundation	Binghamton University's Graduate Conference in Algebra and Topology (BUGCAT) 2019, 2020, 2021	100	\$15,269	\$1,643	\$16,912
Chen, Dr. Mei-Hsiu	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$18,853	\$10,471	\$29,324
Kargin, Dr. Vladislav	Simons Foundation	Research on Random Matrices and its Applications	100	\$2,880	\$576	\$3,456
Malkiewich, Dr. Cary	National Science Foundation	Algebraic K-Theory in Fixed-Point Theory and Smooth Manifolds	100	\$61,551	\$35,084	\$96,634
Malkiewich, Dr. Cary	National Science Foundation	FRG: Collaborative Research: Trace Methods and Applications for Cut-and-Paste K-Theory	100	\$1,924	\$1,097	\$3,021
Ontaneda, Dr. Pedro	National Science Foundation	Challenges in Negative and Nonpositive Curvature	100	\$47,521	\$27,087	\$74,607
Sapir, Dr. Eugenia	Simons Foundation	Coarse and Fine Geometry of Negatively Curved Surfaces	100	\$621	\$124	\$745
Zhou, Dr. Gang	Simons Foundation	Mathematical problems in non-equilibrium statistical mechanics, and singularities formed by geometric flows	100	\$2,874	\$575	\$3,449

Department Total: \$228,149

020 Mechanical Engineering

Chiarot, Dr. Paul	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	33	\$38,076	\$19,697	\$57,773
Chiarot, Dr. Paul	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	25	\$4,729	\$2,696	\$7,425

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Chiarot, Dr. Paul	Purdue University	Chiarot 2020 SRC CHIRP: Conformal Polymeric Thin Films Manufacturing Using Electrospray Printing	100	\$24,334	\$13,870	\$38,204
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	\$39,757	\$22,344	\$62,101
Cho, Dr. Junghyun	Honeywell Federal Manufacturing & Technologies LLC	Adhesives Characterization- Project 702010, Rev. 1	100	\$34,841	\$19,859	\$54,700
Cho, Dr. Junghyun	IBM Corporation	Artificial Intelligence Collaborative Research Alliance	100	\$15,992	\$0	\$15,992
Cho, Dr. Junghyun	SUNY System Administration	SUNY-IBM AI Collaborative Research Alliance	100	\$10,485	\$0	\$10,485
Cho, Dr. Junghyun	Universal Instruments Corporation	Electronic Assembly Solder Alloy Development	100	\$14,059	\$3,655	\$17,715
Huang, Dr. Pong-Yu	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$18,853	\$10,471	\$29,324
Huang, Dr. Pong-Yu	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	33	\$38,076	\$19,697	\$57,773
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	\$118,694	\$44,923	\$163,617
Ke, Dr. Changhong	Board of Regents of the University of Nebraska	Numerical Simulation of Spray Deposited Electrolyte Layer for Proton Conducting Fuel Cells	100	\$23,625	\$12,368	\$35,993
Ke, Dr. Changhong	Cornell University	NASA NY Space Grant Consortium	100	\$7,328	\$0	\$7,328

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Ke, Dr. Changhong	National Inst on Deafness & Other Comm Disorders	Capacitive Pressure/ Velocity Probe for Acoustic Measurements in the Human Ear Canal	33	\$60,900	\$23,713	\$84,613
Ke, Dr. Changhong	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	25	\$9,961	\$5,403	\$15,364
Ke, Dr. Changhong	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	25	\$1,520	\$0	\$1,520
Ke, Dr. Changhong	National Science Foundation	Multiple-Energy- Assisted Ultrasharp Probe-Based Nanomanufacturing for High-Resolution and High-Efficiency Nanopatterning	50	\$81,191	\$31,872	\$113,064
Miles, Dr. Ronald N	National Inst on Deafness & Other Comm Disorders	Capacitive Pressure/ Velocity Probe for Acoustic Measurements in the Human Ear Canal	67	\$123,646	\$48,144	\$171,791
Murray, Dr. Bruce T	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$18,853	\$10,471	\$29,324
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	\$10,374	\$4,564	\$14,937
Park, Dr. Seungbae	IBM Corporation	Artificial Intelligence Collaborative Research Alliance	100	\$5,974	\$0	\$5,974
Park, Dr. Seungbae	SUNY System Administration	SAMRI Program	25	\$29	\$17	\$46
Park, Dr. Seungbae	SUNY Applied Materials Research Institute	Design, Develop and Demonstrate a True 3D Packaging	25	\$31	\$18	\$49
Park, Dr. Seungbae	Purdue University	Radiation-Hard Microelectronics Workforce Development Consortium Subagreement No. 13000844-021	33	\$44,627	\$15,646	\$60,273
Park, Dr. Seungbae	Multiple Sponsors	Miscellaneous Income Received From non sponsored work being done by SB Park	100	\$12,989	\$3,247	\$16,236

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Park, Dr. Seungbae	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$9,613	\$5,342	\$14,955
Park, Dr. Seungbae	Koh Young Technology Incorporated	AI-based System Integration for Process Enhancement in the Printed Circuit Board Assembly	34	\$15,414	\$7,437	\$22,851
Park, Dr. Seungbae	Koh Young Technology Incorporated	Development of Self-Optimization and AI-based Diagnostics Modules in the Printed Circuit Board Assembly Process	34	\$20,691	\$10,445	\$31,136
Park, Dr. Seungbae	General Electric Global Research	Air-Deployable Cost-Effective Organic Radiation Noes (ACORN) Option 2	100	\$19,459	\$10,542	\$30,001
Park, Dr. Seungbae	Corning Incorporated	Evaluation of TGV Thermo-Mechanical Behavior by Micro Digital Image Correlation (micro-DIC)	100	\$28,238	\$16,096	\$44,334
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	\$15,525	\$7,500	\$23,024
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$91,110	\$0	\$91,110
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$60,422	\$13,166	\$73,588
Rangarajan, Dr. Srikanth	SUNY System Administration	SAMRI Program	25	\$29	\$17	\$46
Rangarajan, Dr. Srikanth	US Department of Commerce	Novel In-situ Thermal Property Mapping to Study Powder Feedstock Aging and Laser Powder Bed Fusion	33	\$47,129	\$20,742	\$67,871
Razavi Aghjeh, Dr. Mir Jalil	National Science Foundation	Mechanics of the Formation of Cortical Folding Patterns in the Developing Human Brain	50	\$78,749	\$37,368	\$116,117

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Sammakia, Dr. Bahgat G	Purdue University	USPAE Proposal to CIR CS-20-1302 for Lead Free Defense Electronics Subagreement under the Advanced Technology international Prime Agreement No. 2021-432	50	\$14,007	\$7,984	\$21,990
Sammakia, Dr. Bahgat G	University of Texas at Arlington	I/UCRC Phase III University of TX Arlington: Center for Energy-Smart Electronic System (ES2)	50	\$3,347	\$1,908	\$5,255
Sammakia, Dr. Bahgat G	SUNY System Administration	SAMRI Program	25	\$29	\$17	\$46
Sammakia, Dr. Bahgat G	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	25	\$9,961	\$5,403	\$15,364
Sammakia, Dr. Bahgat G	SUNY Applied Materials Research Institute	Design, Develop and Demonstrate a True 3D Packaging	25	\$31	\$18	\$49
Sammakia, Dr. Bahgat G	Villanova University	I/UCRC Phase 111: Center for Energy Smart Electronic Systems (ES2) Subaward No. 525942SUNY	50	\$3,347	\$1,908	\$5,255
Sammakia, Dr. Bahgat G	Purdue University	Radiation-Hard Microelectronics Workforce Development Consortium Subagreement No. 13000844-021	34	\$45,979	\$16,121	\$62,099
Sammakia, Dr. Bahgat G	Purdue University	Sammakia 2020 SRC CHIRP: Design, Fabrication, and Testing of Metal Porous Media for Thermal Capacitor and Immersion Cooling Applications	100	\$20,959	\$11,947	\$32,906
Sammakia, Dr. Bahgat G	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	25	\$1,520	\$0	\$1,520
Sammakia, Dr. Bahgat G	Cornell University	NSF I-Corps Hub (Track 1): Interior Northeast	25	\$10,778	\$2,802	\$13,580
Sammakia, Dr. Bahgat G	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$9,613	\$5,342	\$14,955

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Sammakia, Dr. Bahgat G	National Science Foundation	IUCRC Phase III Binghamton University: Center for Energy-Smart Electronic Systems (ES2)	50	\$7,689	\$4,383	\$12,071
Schiffres, Dr. Scott	SUNY Applied Materials Research Institute	Design, Develop and Demonstrate a True 3D Packaging	25	\$31	\$18	\$49
Schiffres, Dr. Scott	SUNY System Administration	SAMRI Program	25	\$29	\$17	\$46
Schiffres, Dr. Scott	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	50	\$19,922	\$10,807	\$30,728
Schiffres, Dr. Scott	Purdue University	Radiation-Hard Microelectronics Workforce Development Consortium Subagreement No. 13000844-021	33	\$44,627	\$15,646	\$60,273
Schiffres, Dr. Scott	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	50	\$3,040	\$0	\$3,040
Schiffres, Dr. Scott	National Science Foundation	CAREER: Intermetallic Interfacial Thermal Transport for Advanced Electronics Manufacturing	100	\$385	\$0	\$385
Schiffres, Dr. Scott	National Science Foundation	CAREER: Intermetallic Interfacial Thermal Transport for Advanced Electronics Manufacturing	100	\$17,902	\$10,204	\$28,106
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	50	\$1,323	\$754	\$2,077
Schiffres, Dr. Scott	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$9,613	\$5,342	\$14,955
Schiffres, Dr. Scott	National Science Foundation	I-Corps: Additive Laser Metal Deposition onto Silicon for Enhanced Electronics Cooling	100	\$1,419	\$158	\$1,576
Schiffres, Dr. Scott	US Department of Commerce	Novel In-situ Thermal Property Mapping to Study Powder Feedstock Aging and Laser Powder Bed Fusion	34	\$48,557	\$21,371	\$69,928

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Towfighian, Dr. Shahrzad	Flex Tech Alliance	Soft ElectroNic Skin-Innervated Robotic Work for Rapid Maintenance of Strategic Assets (Sensiworm)	50	\$270,357	\$3,534	\$273,891
Towfighian, Dr. Shahrzad	National Science Foundation	MEMS High Voltage Triboelectric Levitation: A Generactuator	100	\$3,019	\$0	\$3,019
Towfighian, Dr. Shahrzad	National Inst of Arthritis Musculoskeletal & Skin	Self-Powered Load Sensors for Total Knee Replacement Health Monitoring	100	\$193,305	\$44,222	\$237,527
Towfighian, Dr. Shahrzad	Empire State Development Corp	Soft ElectroNic Skin-Innervated Robotic Work for Rapid Maintenance of Strategic Assets (Sensiworm)	50	\$119,706	\$10,031	\$129,737
Towfighian, Dr. Shahrzad	National Science Foundation	MEMS High Voltage Triboelectric Levitation: A Generactuator	100	\$84,590	\$45,472	\$130,062
Wang, Dr. Hao	Charge CCCV	Unrestricted Research Support	100	\$2,342	\$351	\$2,693
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	\$51,875	\$27,035	\$78,910
Yong, Dr. Xin Frank	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	34	\$39,230	\$20,294	\$59,524
Yong, Dr. Xin Frank	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	25	\$4,729	\$2,696	\$7,425
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	\$54,720	\$24,350	\$79,070
Yu, Dr. Kaiyan	IBM Corporation	Ray -F2R-FL: Ray Based Functional Regression with Federated Learning	20	\$8,141	\$0	\$8,141
Yu, Dr. Kaiyan	State University of New York	Ray-based Functional Regression with Federated Learning	20	\$7,801	\$0	\$7,801

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Yu, Dr. Kaiyan	National Science Foundation	CAREER: Simultaneous and Independent Control of Nanostructured Objects Through the Use of Coupled External Electric Fields	100	\$93,737	\$51,234	\$144,971
Zhang, Dr. Pu	Advanced Cooling Technologies	Polymer-Based Conformal Space Radiation Shield with Thermal Management Manufactured by Five-Axis 3D Printing Platform- Prime Contract:DE-SC0022897	100	\$19,456	\$10,541	\$29,996
Zhang, Dr. Pu	National Science Foundation	CAREER: Electro-Mechanical Behaviors of Soft Conductive Composites Embedded with Liquid Metal Fiber Networks	100	\$28,486	\$15,688	\$44,173
Zhou, Dr. Guangwen	US Department of Commerce	Novel In-situ Thermal Property Mapping to Study Powder Feedstock Aging and Laser Powder Bed Fusion	33	\$47,129	\$20,742	\$67,871
Zhou, Dr. Guangwen	US Department of Energy	In Situ Visualization and Theoretical Modeling of Early Stages of Oxidation of Metals and Alloys	100	\$127,211	\$68,119	\$195,330
Zhou, Dr. Guangwen	Pacific Northwest National Laboratory	Design, Synthesis, and Assembly of Biomimetic Materials with Novel Functionality, Conducted in Richland, WA, USA	100	\$19,242	\$4,752	\$23,994
Zhou, Dr. Guangwen	National Science Foundation	MRI: Acquisition of a Hard X-Ray PhotoElectron Spectroscopy (HAXPES) for the Institute for Materials Research (IMR) at Binghamton University (BU)	10	\$7,040	\$0	\$7,040
Zhou, Dr. Guangwen	National Science Foundation	Collaborative Research: Coordinated In-Situ Dynamic Experiments and Atomistic Modeling of Surface Segregation in Alloys	100	\$64,636	\$34,647	\$99,283

Department Total: \$3,613,362

020 Pharmaceutical Sciences

Brooks, Dr. Tracy	National Institute of General Medical Sciences	Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	25	\$78,063	\$32,633	\$110,696
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	\$110,630	\$62,660	\$173,290

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Brooks, Dr. Tracy	National Cancer Institute	Synthesis and Optimization of antibody: DNAi conjugates targeting the MYC G4	50	\$36,348	\$20,706	\$57,054
Davis, Dr. Tony D	National Institute of General Medical Sciences	Interrogation of Microbial Natural Product mEthyltransferases	100	\$101,586	\$57,832	\$159,418
Edwards, Dr. Katie	University of Western Ontario	Effects of dietary thiaminase on two strains of lake trout	100	\$4,521	\$226	\$4,747
Fang, Dr. Yuan	Foundation to Eradicate Duchenne	Multi-omics analyses of lipidomics, proteomics, and mRNA profiles in Duchenne Muscular Dystrophy	100	\$10,034	\$1,003	\$11,037
Hathout, Dr. Yetrib	Childrens Research Institute	Bridging Pharmacodynamic Biomarkers to Clinical Outcomes in Pediatric Inflammatory Diseases	100	\$644	\$367	\$1,012
Hathout, Dr. Yetrib	US Army Medical Research Acquisition Activity	Clinical Utility of Serum Protein Biomarkers in Very Young Duchenne Muscular Dystrophy Boys	100	\$19	(\$19)	\$0
Hathout, Dr. Yetrib	National Inst of Neurological Disorders & Stroke	R61/R33 Resubmission (Biomarker Signatures for Duchenne Muscular Dystrophy)	100	\$246,864	\$107,250	\$354,114
Hathout, Dr. Yetrib	Childrens Research Institute	Regenxbio Research Collaboration Agreement	50	\$10,582	\$6,032	\$16,614
Hoffman, Dr. Eric	US Army Medical Research Acquisition Activity	Genetic Modifiers of Treatment Response in DMD	100	\$30,308	\$17,276	\$47,584
Hoffman, Dr. Eric	US Army Medical Research Acquisition Activity	Genetic Modifiers of Treatment Response in DMD	100	\$0	\$14,250	\$14,250
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	\$7,342	\$734	\$8,076
Morales, Dr. Melissa	Myositis Association	Improving muscle weakness by blocking the Interferon signature with anti-viral proteins	50	\$17,589	\$1,407	\$18,996

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Nagaraju, Dr. Kanneboyina	Childrens Research Institute	Regenxbio Research Collaboration Agreement	50	\$10,582	\$6,032	\$16,614
Nagaraju, Dr. Kanneboyina	Cornell University	NSF I-Corps Hub (Track 1): Interior Northeast	25	\$10,778	\$2,802	\$13,580
Nagaraju, Dr. Kanneboyina	CURE JM Foundation	Testing and screening potential compounds for efficacy in a mouse model of myositis and the effect of Type 1 Interferon on muscle function and weakness in myositis	100	\$48,898	\$0	\$48,898
Nagaraju, Dr. Kanneboyina	Foundation to Eradicate Duchenne	Immune response to dystrophin after Etiperson treatment in Duchenne Muscular Dystrophy Children	100	\$11,050	\$1,105	\$12,155
Nagaraju, Dr. Kanneboyina	Myositis Association	Improving muscle weakness by blocking the Interferon signature with anti-viral proteins	50	\$17,589	\$1,407	\$18,996
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	\$67,008	\$0	\$67,008
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	\$46,493	\$25,927	\$72,420
Tumey, Dr. L Nathan	National Institute of General Medical Sciences	Mitigating ADA Through Site-specific Conjugation Technology	100	\$16,645	\$0	\$16,645
Tumey, Dr. L Nathan	National Institute of General Medical Sciences	Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	50	\$156,126	\$65,266	\$221,392
Tumey, Dr. L Nathan	National Cancer Institute	Synthesis and Optimization of antibody: DNAi conjugates targeting the MYC G4	50	\$36,348	\$20,706	\$57,054
Tumey, Dr. L Nathan	Heidelberg Pharma Research GmbH	Optimization of ADCs for the Treatment of Cancer	100	\$23,960	\$13,657	\$37,618
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	\$110,630	\$62,660	\$173,290

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Tumey, Dr. L Nathan	National Institute of Allergy & Infectious Disease	Cell-specific blockage of TLR activation: A new strategy for addressing inflammatory disorders	100	\$32,579	\$18,021	\$50,600
Zhang, Dr. Tao	University of North Texas Health Science Center	Novel Formulation Technology to Enhance Oral Absorption of Water-insoluble Drugs	100	\$5,107	\$2,911	\$8,018
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	100	\$131,855	\$75,157	\$207,013
Department Total:				\$1,998,191		

020 Pharmacy Practice

Eggleston, Dr. William	NYS Chapter of American College of Clinical Pharmacy	Evaluating the Impact of an at Home Medication Disposal System on Safe Medication Disposal	100	\$826	\$0	\$826
Iacobucci, Jennifer	SUNY System Administration	Research Seed Grant Program	100	\$5,661	\$0	\$5,661
Kufel, Dr. Wesley	NYS Chapter of American College of Clinical Pharmacy	Impact of Vancomycin Plus Ceftaroline Combination Therapy for Persistent Methicillin-Resistant Staphylococcus Aureus Bacteremia	100	\$100	\$0	\$100

Department Total: \$6,587

020 Physics

Aynajian, Dr. Pegor	National Science Foundation	CAREER: Visualizing Emergent Electronic States Near Quantum Phase Transitions	100	\$10,859	\$6,190	\$17,049
Cotts, Dr. Eric	Universal Instruments Corporation	Testing Agreement: Failure Analysis	100	\$11,111	\$2,889	\$14,000
Cotts, Dr. Eric	Universal Instruments Corporation	SnBi and SnAgCu based solder joints during current stressing: Identifying microstructural correlations with mechanical reliability performance	100	\$25,397	\$6,603	\$32,000
Cotts, Dr. Eric	Universal Instruments Corporation	Electromigration Characterization of Low Temperature Solder Alloys	100	\$5,780	\$1,503	\$7,283

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Kolmogorov, Dr. Alexey	National Science Foundation	Theory-Guided Discovery of Tin-Based Materials	100	\$10,378	\$5,916	\$16,294
Kolmogorov, Dr. Alexey	National Science Foundation	EAGER: SUPER: Collaborative Research: Ab Initio Engineering of Doped-Covalent-Bond Superconductors	50	\$39,813	\$21,876	\$61,689
Lawler, Dr. Michael	National Science Foundation	Collaborative Research: Integrating Physics and Generative Machine Learning Models for Inverse Materials Design	100	\$32,961	\$15,823	\$48,784
Lawler, Dr. Michael	National Science Foundation	Collaborative Research: Machine Learning Methods for Multi-Disciplinary Multi-Scale Problems	100	\$16,218	\$8,976	\$25,194
Lee, Dr. Wei-Cheng	Georgia Institute of Technology	MURI17: Cross-disciplinary Electronic-ionic Research Enabling Biologically Realistic Autonomous Learning (CEREBRAL)	100	\$189,932	\$100,180	\$290,112
Margine, Dr. Elena Roxana	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$91,110	\$0	\$91,110
Margine, Dr. Elena Roxana	National Science Foundation	EAGER: SUPER: Collaborative Research: Ab Initio Engineering of Doped-Covalent-Bond Superconductors	50	\$39,813	\$21,876	\$61,689
Margine, Dr. Elena Roxana	National Science Foundation	Towards Ab Initio Prediction of Superconducting Properties	100	\$69,152	\$39,417	\$108,569
Margine, Dr. Elena Roxana	University of Texas at Austin	An Interoperable Software Ecosystem for Many-Body Electronic Structure Calculations	100	\$77,339	\$44,083	\$121,422
Margine, Dr. Elena Roxana	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$60,422	\$13,166	\$73,588
Mativetsky, Dr. Jeffrey	Universal Instruments Corporation	Universal Instruments Sponsored Research: Consortium Solder Interconnect Studies	100	\$15,475	\$3,901	\$19,376
Mativetsky, Dr. Jeffrey	National Science Foundation	CAREER: Charge Photogeneration and Transport in Organic Semiconductor Nanowires	100	\$556	\$305	\$861

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Mativetsky, Dr. Jeffrey	National Science Foundation	REU Site: Renewable Energy Generation and Storage	100	\$74,844	\$14,646	\$89,490
Piper, Dr. Louis	National Science Foundation	Rational Design of Oxide Cathode Coating for High Performance Li-ion Batteries	33	\$34,205	\$18,772	\$52,977
Piper, Dr. Louis	Georgia Institute of Technology	MURI17: Cross-disciplinary Electronic-ionic Research Enabling Biologically Realistic Autonomous Learning (CEREBRAL)	100	\$39,860	\$22,720	\$62,580
Piper, Dr. Louis	National Science Foundation	MRI: Acquisition of a Hard X-Ray PhotoElectron Spectroscopy (HAXPES) for the Institute for Materials Research (IMR) at Binghamton University (BU)	60	\$42,240	\$0	\$42,240
Shim, Dr. Bonggu	National Science Foundation	Study of Wavelength Dependence of Plasma Collision Dynamics and Ionization Mechanism in Laser Solid Matter Interactions	100	\$35,547	\$20,262	\$55,808
Shim, Dr. Bonggu	US Air Force Office of Scientific Research	Spatio-temporal visualization and control of nonlinear propagation and phase matching for high-order harmonic generation	100	\$68,244	\$37,034	\$105,278
Smeu, Dr. Manuel	National Science Foundation	Rational Design of Oxide Cathode Coating for High Performance Li-ion Batteries	33	\$34,205	\$18,772	\$52,977
Smeu, Dr. Manuel	National Science Foundation	Collaborative Research: Tailoring Electron and Spin Transport in Single Molecule Junctions	100	\$6,758	\$3,852	\$10,610

Department Total: \$1,460,981

020 Political Science

Karakoc, Dr. Ekrem	University of Calgary	International Business in the Middle East and North Africa MENA: danger zones or the land of opportunity	100	\$1,771	\$0	\$1,771
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Department Total: \$1,771

020 Psychology

Balderrama-Durbin, Dr. Christina	National Institute for Alcohol Abuse & Alcoholism	An Integrated Brief Alcohol and PTSD Intervention for Veterans in Primary Care	50	\$18,623	\$6,276	\$24,899
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<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Balderrama-Durbin, Dr. Christina	Wright State University	Up-Armoring At-Risk Military Couples Research Subcontract No. 670438-1	100	\$18,430	\$10,505	\$28,935
Balderrama-Durbin, Dr. Christina	Wright State University	Lesbian, Gay, and Bisexual Couples in the Military: A post DADT Examination of Relationship Health, Perceived Community Acceptance and Mission Readiness Subaward No. 670766-1	100	\$6,200	\$3,534	\$9,733
Bishop, Dr. Christopher	National Science Foundation	I-Corps: Repurposing Serotonergic Compounds for Improved Treatment of Parkinson's Disease	100	\$12,259	\$1,362	\$13,621
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	\$16,398	\$9,347	\$25,744
Bishop, Dr. Christopher	National Inst of Neurological Disorders & Stroke	Interrogating maladaptive serotonin raphe-striatal plasticity in L-DOPA-induced dyskinesia	100	\$442,093	\$82,408	\$524,502
Bishop, Dr. Christopher	Michael J Fox Foundation	Chemogenetic and Pharmacological Targeting of the Raphe-Cortical Pathway to Reduce the Development and Expression of L-DOPA-induced Psychosis	100	\$37,597	\$864	\$38,462
Bishop, Dr. Christopher	Melior Discovery Incorporated	Melior Discovery Materials Testing Agreement	100	\$9,775	\$2,444	\$12,218
Bishop, Dr. Christopher	Howard Hughes Medical Institute	Howard Hughes Support - Freshman Research Immersion (FRI) Models	50	\$887	\$0	\$887
Bishop, Dr. Christopher	Consynance	Pilot study with CSTI-200 to test efficacy against L-DOPA- induced dyskinesia in a rat model of Parkinson's disease	100	\$867	\$217	\$1,084
Cameron, Dr. Nicole M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	5	\$963	\$545	\$1,509

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Coles, Dr. Meredith	Multiple Sponsors	Income from Services of Binghamton Anxiety Clinic	100	\$9,100	\$1,365	\$10,465
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	CNS-mediated fever after Adolescent Intermittent Ethanol	50	\$45,807	\$26,110	\$71,918
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	34	\$37,473	\$2,998	\$40,471
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	90	\$25,029	\$14,267	\$39,296
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	75	\$20,714	\$11,807	\$32,520
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	90	\$39,499	\$22,515	\$62,014
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	75	\$113,412	\$64,444	\$177,856
Di Lorenzo, Dr. Patricia M	National Institute of General Medical Sciences	SUNY UPSTATE BRIDGES TO THE BACCALAUREATE PROGRAM (SUBBP)	50	\$147,982	\$10,793	\$158,775
Di Lorenzo, Dr. Patricia M	National Inst on Deafness & Other Comm Disorders	Temporal Coding in the Gustatory System of the Brain	100	\$25,871	\$12,760	\$38,631
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	\$9,769	\$0	\$9,769
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Impact of Prenatal Ethanol on BLA Synaptic Plasticity	50	\$26,633	\$13,238	\$39,871
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	50	\$68,487	\$39,037	\$107,524

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	50	\$18,723	\$8,256	\$26,978
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	30	\$6,347	\$3,618	\$9,965
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	25	\$6,905	\$3,936	\$10,840
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	30	\$32,035	\$18,260	\$50,295
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	25	\$37,804	\$21,481	\$59,285
Gano, Dr. Anny	National Institute for Alcohol Abuse & Alcoholism	CNS-mediated fever after Adolescent Intermittent Ethanol	25	\$22,904	\$13,055	\$35,959
Gaspelin, Dr. Nicholas	National Science Foundation	CAREER: Understanding the Relationship of Covert and Overt Attention Using Concurrent EEG and Eye Tracking	100	\$80,439	\$45,850	\$126,290
Gerhardstein, Dr. Peter C	National Institute of Mental Health	Attentional Biases for Affective Cues in Infants of Depressed Mothers	10	\$194	\$111	\$305
Gibb, Dr. Brandon E	National Institute of Mental Health	Attentional Biases for Affective Cues in Infants of Depressed Mothers	90	\$1,749	\$997	\$2,746
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	\$457,675	\$181,883	\$639,558
Gillis Mattson, Dr. Jennifer M	NYS Education Department	CARD Albany and Regional Center(s) for Autism Spectrum Disorders	100	\$38,787	\$3,103	\$41,890
Gillis Mattson, Dr. Jennifer M	Order of the Eastern Star of New York	Autism Research	100	\$954	\$143	\$1,097

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Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	School District Income for SEDCAR/IDEA Funding	100	\$134,369	\$10,636	\$145,005
Gillis Mattson, Dr. Jennifer M	NYS Education Department	CARD Albany and Regional Center(s) for Autism Spectrum Disorders 22-23	100	\$7,133	\$571	\$7,704
Gillis Mattson, Dr. Jennifer M	University of Massachusetts Chan Medical School	Helping Youth on the Path to Employment (HYPE) Creating Economic Self Sufficiency Year 2	50	\$582	\$151	\$733
Gillis Mattson, Dr. Jennifer M	NYS Education Department	CARD Albany and NYS Regional Center(s) for Autism Spectrum Disorders 21-22	100	\$13,274	\$1,062	\$14,336
Gillis Mattson, Dr. Jennifer M	NYS Education Department	CARD Albany and Regional Center(s) for Autism Spectrum Disorders	100	\$7,568	\$605	\$8,173
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	ICD 'Infrastructure'	100	\$4,033	\$605	\$4,638
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	2021-2022 Children's Unit for Treatment and Evaluation	100	\$436,018	\$65,403	\$501,420
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	Children's Unit Special Programs/ Institute for Child Development	100	\$25,308	\$3,796	\$29,105
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	Children's Unit for Treatment and Evaluation 2022-2023	100	\$3,633,369	\$545,005	\$4,178,374
Harding, Dr. Thomas	ARK Psychology LLC	Clinical Placement Agreement Between Ark Psychology PLLC and the Research Foundation for SUNY (for Fiona Sleight)	100	\$19,424	\$0	\$19,424
Harding, Dr. Thomas	ARK Psychology LLC	Clinical Placement Agreement Between Ark Psychology PLLC and the Research Foundation for SUNY (for Melissa Gates)	100	\$21,448	\$0	\$21,448
Harding, Dr. Thomas	Childrens Home of Wyoming Conference	Clinical Placement Agreement Between Children's Home of Wyoming Conference and the Research Foundation for SUNY (for Kelly Buchanan)	100	\$12,000	\$0	\$12,000

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Harding, Dr. Thomas	United Health Services Hospitals Incorporated	Clinical Placement for Heather Zyla	100	\$23,000	\$0	\$23,000
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	70	\$74,748	\$42,606	\$117,354
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	5	\$2,194	\$1,251	\$3,445
Jentsch, Dr. James David	Regents of the University of California Los Angeles	Genetic Pathways for impulsivity and drug reinforcement: DNA and transcriptome variation in mice (2021-2022)	100	\$7,689	\$4,383	\$12,071
Jentsch, Dr. James David	National Institute on Drug Abuse	Intersecting genetic risk for extreme cocaine self-administration with dopamine neurotransmission	70	\$43,124	\$3,450	\$46,573
Jentsch, Dr. James David	Jackson Laboratory	Center for Systems Neurogenetics of Addiction Subaward 210247-0623-06	75	\$78,736	\$44,879	\$123,615
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	100	\$37,055	\$0	\$37,055
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	100	\$46,624	\$0	\$46,624
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	5	\$1,391	\$793	\$2,183
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	33	\$36,371	\$2,910	\$39,280
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	70	\$14,810	\$8,442	\$23,252
Karkhanis, Dr. Anushree N	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	100	\$5,823	\$3,319	\$9,143

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Karkhanis, Dr. Anushree N	National Institute on Drug Abuse	Intersecting genetic risk for extreme cocaine self-administration with dopamine neurotransmission	30	\$18,482	\$1,479	\$19,960
Karkhanis, Dr. Anushree N	National Institute for Alcohol Abuse & Alcoholism	Mechanisms of rostrocaudal differences in accumbal kappa opioid receptor effects on ethonal drinking	100	\$394,361	\$101,689	\$496,050
Karkhanis, Dr. Anushree N	National Institute for Alcohol Abuse & Alcoholism	Impact on early life stress on accumbal kappa opioid signaling and ethonal intake	100	\$10,203	\$816	\$11,019
Karkhanis, Dr. Anushree N	Jackson Laboratory	Center for Systems Neurogenetics of Addiction Subaward 210247-0623-06	25	\$26,245	\$14,960	\$41,205
Mastroleo, Dr. Nadine	Brown University	Behavioral Science and Biostatistics Resource Code for Alcohol-HIV Research Federal Award 5U24AA022003-06	100	\$9,476	\$5,212	\$14,688
Mastroleo, Dr. Nadine	Brown University	Behavioral Science and Biostatistics Resource Code for Alcohol-HIV Research Federal Award 5U24AA022003-06	100	\$1,017	\$580	\$1,597
Mastroleo, Dr. Nadine	National Institute for Alcohol Abuse & Alcoholism	An Integrated Brief Alcohol and PTSD Intervention for Veterans in Primary Care	50	\$18,623	\$6,276	\$24,899
Mastroleo, Dr. Nadine	Brown University	Enhancing the Efficacy and Duration of a Brief Alcohol Intervention Using Self-Affirmation	100	\$25,958	\$14,796	\$40,754
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	100	\$25,487	\$14,528	\$40,015
Savage, Dr. Lisa M	National Institute of General Medical Sciences	SUNY UPSTATE BRIDGES TO THE BACCALAUREATE PROGRAM (SUBBP)	50	\$147,982	\$10,793	\$158,775
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	5	\$2,256	\$1,286	\$3,543
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	100	\$109,234	\$62,263	\$171,497

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	5	\$2,194	\$1,251	\$3,445
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	5	\$963	\$545	\$1,509
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	5	\$1,391	\$793	\$2,183
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	33	\$36,371	\$2,910	\$39,280
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	\$116,833	\$66,595	\$183,427
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	7/8 NADIA U01 Recovery of Adolescent Alcohol Disruption of Basal Forebrain-Cortical Projection Circuits	100	\$56,080	\$31,966	\$88,046
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	50	\$18,723	\$8,256	\$26,978
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	CNS-mediated fever after Adolescent Intermittent Ethanol	25	\$22,904	\$13,055	\$35,959
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	10	\$4,513	\$2,572	\$7,085
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	25	\$34,854	\$19,263	\$54,116
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	\$74,874	\$42,678	\$117,551
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	\$33,709	\$19,214	\$52,923

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Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	25	\$9,799	\$5,585	\$15,384
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	50	\$68,487	\$39,037	\$107,524
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Impact of Prenatal Ethanol on BLA Synaptic Plasticity	50	\$26,633	\$13,238	\$39,871
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	5	\$963	\$545	\$1,509
Varodayan, Dr. Florence Prabha	National Institute for Alcohol Abuse & Alcoholism	Alcohol-induced neuroadaptation of prefrontal cortical projections	100	\$138,757	\$76,675	\$215,432
Varodayan, Dr. Florence Prabha	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	100	\$27,662	\$15,767	\$43,429
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	75	\$29,397	\$16,756	\$46,153
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	85	\$16,379	\$9,269	\$25,648
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	\$33,709	\$19,214	\$52,923
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	\$74,874	\$42,678	\$117,551
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	75	\$104,561	\$57,788	\$162,348
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2022-2023	85	\$38,358	\$21,864	\$60,223

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Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Role of Neural Activity and Perineuronal Nets in Adolescent Intermittent Ethanol- Induced Social Anxiety	100	\$31,444	\$0	\$31,444
Department Total:				\$10,457,811		
020 Public Archaeology Facility						
Miroff, Dr. Laurie E	Liberty Power	Phase 1A Archaeological Assessment, Riga Solar Project (22PR05328), Village of Churchville, Monroe County, NY	100	\$2,387	\$358	\$2,745
Miroff, Dr. Laurie E	National Park Service	Urban Archeology Corps	100	\$1,598	\$280	\$1,878
Miroff, Dr. Laurie E	National Park Service	Urban Archeology Corps	100	\$13,242	\$2,317	\$15,559
Miroff, Dr. Laurie E	National Park Service	Urban Archeology Corps	100	\$46,184	\$8,082	\$54,266
Miroff, Dr. Laurie E	Multiple Sponsors	Miscellaneous Income from PAF Activities	100	\$8,396	\$1,259	\$9,655
Miroff, Dr. Laurie E	McFarland and Johnson Engineers Incorporated	Phase 1A/1B Archaeological Assessment and Archaeological Survey, Piseco Airport Project, Town of Arietta, Hamilton County, NY	100	\$2,040	\$306	\$2,346
Miroff, Dr. Laurie E	McFarland and Johnson Engineers Incorporated	Task 06 - Short Environmental Assessment for Runway 3-21 Obstruction Removal and Acquisition	100	\$6,503	\$976	\$7,479
Miroff, Dr. Laurie E	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$12,637	\$3,204	\$15,842
Miroff, Dr. Laurie E	Liberty Power	Phase 1B Archaeological Survey, Riga Solar Project, Village of Churchville, Monroe County, NY	100	\$2,140	\$321	\$2,461
Miroff, Dr. Laurie E	Parsons Engineering Science Incorporated	Onondaga Lake, Hudson Farms Ecological Enhancements	100	\$452	\$68	\$519

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Miroff, Dr. Laurie E	Lamont Engineers	Shokan WMP Project, Phase 1B Archaeological Survey (estimate of 1400-1550 STPs), Town of Olive, Ulster County, NY	100	\$43,605	\$6,541	\$50,146
Miroff, Dr. Laurie E	LaBella Associates	Phase 1A Archaeological Assessment, Spring Mountain Solar Project, Town of Schwenksville, PA	100	\$1,618	\$243	\$1,861
Miroff, Dr. Laurie E	LaBella Associates	Scotch Ridge Solar Project, Phase 1A Archaeological Assessment- Revision	100	\$934	\$140	\$1,074
Miroff, Dr. Laurie E	Liberty Power	Phase 1B Archaeological Survey, Riga Solar Project, Village of Churchville, Monroe County, NY	100	\$7,932	\$1,190	\$9,121
Miroff, Dr. Laurie E	NYS Education Department	Cultural Resources Program Year 5 of 5	100	\$1,215	\$182	\$1,398
Miroff, Dr. Laurie E	NYS Education Department	Cultural Resource Survey Program Consultant Contract	100	\$218,523	\$32,778	\$251,302
Miroff, Dr. Laurie E	Onondaga County Soil and Water Conservation Dist	Phase 1A/1B Archaeological Survey, Munro Road Storage Project, Town of Camillus, Onondaga County, NY	100	\$4,136	\$620	\$4,756
Miroff, Dr. Laurie E	Renovus Solar	Phase 1A/1B Archaeological, Lower Maple Ave Solar Project, Town of Elmira, Chemung County, NY	100	\$2,713	\$407	\$3,120
Miroff, Dr. Laurie E	Seaboard Solar	Phase 1A/1B Archaeological Survey, Frank Long Road Solar Project, Town of Pompey, Onondaga County, NY	100	\$2,883	\$432	\$3,315
Miroff, Dr. Laurie E	Seaboard Solar	Phase 1B Archaeological Addendum Survey (Option 1: All Subsurface Testing), Frank Long Road Solar Project, Town of Pompey, Onondaga County, New York	100	\$12,692	\$1,904	\$14,596
Miroff, Dr. Laurie E	SLAM Architects Landscape Architects and Engineers Professional Corporation	Rehabilitate Physical Education Building at State University of New York at Albany	100	\$1,747	\$262	\$2,010

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Miroff, Dr. Laurie E	Tioga County Soil and Water Conservation District	Phase 1A/1B Archaeological Survey and Indigenous Monitor Costs, Owego Creek Streambank Protection Project, Town of Owego, Tioga County, New York	100	\$2,912	\$437	\$3,349
Miroff, Dr. Laurie E	Troy Top Soil Company	Troy Topsoil Halfmoon Mine Expansion Project, NYS DEC Assessment, Town of Halfmoon, Saratoga County, NY	100	(\$120)	(\$294)	(\$414)
Miroff, Dr. Laurie E	Village of Owego	Phase 1 Archaeological Survey and Monitoring, 90 Temple Street Project, Village of Owego, Tioga County, NY	100	\$1,814	\$272	\$2,086
Miroff, Dr. Laurie E	Yeshiva Mercaz Hatorah	Phase 1A/1B Archaeological Survey, Yeshiva Mercaz Hatorah- Ramapo Project, Town of Ramapo, Rockland County, NY	100	\$1,020	\$153	\$1,173
Miroff, Dr. Laurie E	Cole Trucking and Gravel	Cole Gravel Mine Project, Phase 1 Archaeological Survey, Town of Rathbone, Steuben County, NY	100	\$0	(\$1,931)	(\$1,931)
Miroff, Dr. Laurie E	LaBella Associates	St. Regis River Solar	100	\$4,348	\$652	\$5,000
Miroff, Dr. Laurie E	NYS Education Department	Cultural Resource Survey Program	100	\$107,629	\$16,144	\$123,773
Miroff, Dr. Laurie E	Edgewood Environmental Consulting Limited Liability Corporation	Sellu Garage Wetland Permitting Work Order 001	100	\$2,122	\$318	\$2,440
Miroff, Dr. Laurie E	Bethel Woods Center for the Arts	Phase 1A/1B Archaeological Survey, Campgrounds at Bethel Woods Project - Phase 1 Priority Area, Town of Bethel, Sullivan County, NY	100	\$19,591	\$2,939	\$22,529
Miroff, Dr. Laurie E	Bolands Riverside Sod Farm	Phase 3 Data Recovery of the Campville Boland Site (northern portion of the south parcel) Town of Owego, Tioga County, NY	100	\$953	\$143	\$1,096
Miroff, Dr. Laurie E	C&S Companies	Buffalo State College, Phase 1A Archaeological Assessment SUCF Project 030167-00	100	\$2,093	\$314	\$2,407

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Miroff, Dr. Laurie E	C&S Companies	Cultural Resource Screening (FCC 621), Yates County South Hill Tower Project, Town of Middlesex, Yates County, NY	100	\$1,386	\$208	\$1,594
Miroff, Dr. Laurie E	C&S Companies	Phase 1A/ 1B Archaeological Survey (all subsurface testing- STPs of project area) Avon CSG 2 LLC Solar Project, Town of Avon, Livingston County, NY	100	\$13,789	\$2,068	\$15,858
Miroff, Dr. Laurie E	C&S Companies	Cultural Resource Screening, Morehouse Cell Tower Project, Town of Morehouse, Hamilton County - NY	100	\$3,038	\$456	\$3,494
Miroff, Dr. Laurie E	C&S Companies	Phase 1B Archaeological Survey in Connection with SUCF Project 031067-00 Buffalo State College	100	\$2,567	\$385	\$2,952
Miroff, Dr. Laurie E	C&S Companies	Phase 1A/ 1B Archaeological Survey, Palm Tree Estates Project, Town of Avon, Livingston County, NY	100	\$6,450	\$967	\$7,417
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	\$2,343	\$351	\$2,694
Miroff, Dr. Laurie E	City of Binghamton	Monitoring, Hawley Street Traffic Light Project, City of Binghamton	100	\$1,669	\$250	\$1,919
Miroff, Dr. Laurie E	LaBella Associates	Phase 1A Archaeological Assessment, Newark Valley Solar Project, Town of Newark Valley, Tioga County, NY	100	\$2,111	\$317	\$2,428
Miroff, Dr. Laurie E	Delta Engineers	PIN 9754.90 Harnick Road over Apalachin Creek	100	\$558	\$84	\$642
Miroff, Dr. Laurie E	Anchor QEA LLC	Canalways Trail Extension Project Salina Extension	100	\$1,858	\$279	\$2,136
Miroff, Dr. Laurie E	Bethel Woods Center for the Arts	Mapping Proposal Woodstock Bindy Bazaar Project, Bethel, Sullivan County, NY	100	\$1,090	\$164	\$1,254

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Miroff, Dr. Laurie E	Environmental Design & Research	Archaeological Fieldwork (4 weeks of fieldwork, administrative costs) Projects in Tompkins County, Allegany County, and Orleans County, NY	100	\$5,979	\$897	\$6,876
Miroff, Dr. Laurie E	F.S. Lopke Contracting Incorporated	Phase 3 Data Recovery of Clusters A, B, D, & E of Ayers 1 Site, Town of Nichols, Tioga County NY	100	\$4,536	\$680	\$5,217
Miroff, Dr. Laurie E	F.S. Lopke Contracting Incorporated	Phase 3 Data Recovery of Clusters 1-7 of the Ayers 2 Site, Town of Nichols, Tioga County, NY	100	\$129,294	\$19,394	\$148,689
Miroff, Dr. Laurie E	First Universalist Church	Geophysical Survey for Time Capsule Project, Brooklyn, Susquehanna County, PA	100	\$953	\$143	\$1,096
Miroff, Dr. Laurie E	Foit-Albert Associates	Phase 1A/1B Archaeological Survey, CR97 & Brown Road over Fish Creek Project, PIN 7753.93 (22PR06674)	100	\$3,650	\$548	\$4,198
Miroff, Dr. Laurie E	Foit-Albert Associates	Architectural Survey, Church Street over Tannery Brook Replacement Project (PIN 5763.87) (Project 23PR02739) Village of East Aurora, Erie County, NY	100	\$204	\$31	\$235
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	\$2,032	\$305	\$2,337
Miroff, Dr. Laurie E	GZA GeoEnvironmental Incorporated	Phase 1A Archaeological Assessment, National Grid Pipe Line 12, Glens Falls, NY	100	\$2,114	\$317	\$2,431
Miroff, Dr. Laurie E	GZA GeoEnvironmental Incorporated	Archaeological Screening Memo and Phase 1A Archaeological Assessment of the NGRID Colton Malone 115K Rebuild Project	100	\$1,960	\$294	\$2,254
Miroff, Dr. Laurie E	GZA GeoEnvironmental Incorporated	Phase 1A Archaeological Assessment of West Park Street Gas Main Replacement	100	\$1,392	\$209	\$1,601
Miroff, Dr. Laurie E	Interboro Partners	Phase 1A Archaeological Assessment, Medina High Wall and Art Route, Village of Medina, Orleans County, NY	100	\$3,567	\$535	\$4,102

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Miroff, Dr. Laurie E	LaBella Associates	LaBella Project 2102536: Phase 1 Initial Historic Resource and Phase 1A Archaeological Assessments within the Town of Dekalb, St. Lawrence County, New York and the Town of Lyme, Jefferson County, New York.	100	(\$513)	(\$77)	(\$589)
Miroff, Dr. Laurie E	Cole Trucking and Gravel	Cole Gravel Mine Project, Phase 2 Site Examination, Cole Gravel Precontact Site - Locus 1, Town of Rathbone, Steuben County, NY	100	\$0	(\$879)	(\$879)
O'Donovan, Dr. Maria	Multiple Sponsors	Journal for the Council of Northeast Historical Archaeology	100	\$192	\$29	\$221
Versaggi, Dr. Nina M	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$12,637	\$3,204	\$15,842

Department Total: \$852,971

020 Research Sponsored Prog

Dublin, Dr. Thomas L	Multiple Sponsors	Unrestricted research activities	100	\$2,588	\$388	\$2,976
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Department Total: \$2,976

020 Research VP

Czarnecki, Dr. Steven V.	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	15	\$10,466	\$5,763	\$16,229
Czarnecki, Dr. Steven V.	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	15	\$2,578	\$287	\$2,865
Jacobson, Dr. Michael E	Multiple Sponsors	Broader Impact Programming	100	\$798	\$120	\$918
Jung, Mr. Dae-Young	Purdue University	USPAE Proposal to CIR CS-20-1302 for Lead Free Defense Electronics Subagreement under the Advanced Technology international Prime Agreement No. 2021-432	50	\$14,007	\$7,984	\$21,990

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Park, Dr. Seungbae	Multiple Sponsors	Symposium and Other IEEC Activities	100	\$28,472	\$7,118	\$35,590
Rangarajan, Dr. Srikanth	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$9,613	\$5,342	\$14,955
Rangarajan, Dr. Srikanth	SUNY Applied Materials Research Institute	Design, Develop and Demonstrate a True 3D Packaging	25	\$31	\$18	\$49
Turner, Mr. James N	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	15	\$2,578	\$287	\$2,865
Turner, Mr. James N	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	15	\$10,466	\$5,763	\$16,229
Whittingham, Dr. M Stanley	Empire State Development Corp	CFA 96852: New Energy New York	50	\$16,917	\$3,389	\$20,306
Whittingham, Dr. M Stanley	Empire State Development Corp	CFA 96852: New Energy New York	50	\$38,659	\$5,208	\$43,867
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York: Battery-NY Center Operations	50	\$28,744	\$10,923	\$39,667
Whittingham, Dr. M Stanley	Empire State Development Corp	CFA 96852: New Energy New York	50	\$57,895	\$22,000	\$79,895
Whittingham, Dr. M Stanley	Empire State Development Corp	CFA 96852: New Energy New York	50	\$11,435	\$0	\$11,435
Whittingham, Dr. M Stanley	Empire State Development Corp	CFA 96852: New Energy New York	50	\$709,692	\$24,583	\$734,275
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York: Supply Chain Development and Qualification Programs	50	\$45,510	\$4,750	\$50,260

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York: Innovation and Entrepreneurship	50	\$73,351	\$27,874	\$101,225
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York: Climate Justice and Social Equity Programs	50	\$31,161	\$10,203	\$41,364
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York	50	\$63,308	\$16,460	\$79,768
Whittingham, Dr. M Stanley	Economic Development Administration	New Energy New York: Workforce Development Programs	50	\$250,050	\$37,768	\$287,818

Department Total: \$1,601,568

020 School Of Management

Acton, Dr. Bryan	Fairleigh Dickinson University	Rater Memory and Measurement: Moving Toward Response Process Validity W911NF2210255	100	\$24,057	\$13,713	\$37,770
Dhillon, Dr. Upinder	Multiple Sponsors	Transformational Leadership Program	100	\$76,423	\$11,463	\$87,886
Dionne, Ms. Shelley	Waseda University	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education 2023	50	\$4,777	\$2,723	\$7,500
Dionne, Ms. Shelley	Waseda University	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education 2022	50	\$1,288	\$734	\$2,022
Tsai, Dr. Chou-Yu	Waseda University	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education 2023	50	\$4,777	\$2,723	\$7,500
Tsai, Dr. Chou-Yu	Waseda University	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education 2022	50	\$1,288	\$734	\$2,022
Tsai, Dr. Chou-Yu	Kanagawa University of Human Services	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education FY 2022	100	\$6,139	\$3,499	\$9,638

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
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Yammarino, Dr. Francis J	Multiple Sponsors	Miscellaneous Income - Fran Yammarino	100	\$4,964	\$745	\$5,709
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Department Total: \$160,046

020 Small Business Dev Center

Layman, Ms. Rochelle	Alternatives Venture Fund	SEED Program for Small Business Development in Tompkins County	100	\$7,205	\$865	\$8,070
Layman, Ms. Rochelle	Empire State Development Corp	COVID-19 Pandemic Small Business Recovery Grant Program ? Technical Assistance Grants	100	\$1,520	\$152	\$1,672
Layman, Ms. Rochelle	Multiple Sponsors	Miscellaneous Income- Small Business Development Center Activities	100	\$1,098	\$165	\$1,263
Layman, Ms. Rochelle	Multiple Sponsors	Program Income Account for SBDC Training Activities Associated with federal SBA funding	100	(\$1,188)	\$0	(\$1,188)
Layman, Ms. Rochelle	Multiple Sponsors	Restricted Program Income - SBDC	100	\$0	\$360	\$360
Layman, Ms. Rochelle	Small Business Administration	Small Business Development Centers Cares Act	100	\$107,858	\$12,943	\$120,801
Layman, Ms. Rochelle	Small Business Administration	SBDC 21-22	100	\$53,752	\$6,450	\$60,203
Layman, Ms. Rochelle	Small Business Administration	NY SBDC Funding FY23	100	\$172,360	\$20,683	\$193,044

Department Total: \$384,224

020 Student Affairs VP

Edouard, Mr. Randall	US Department of Education	2018-2022 Binghamton University Upward Bound Program	100	\$307,176	\$24,233	\$331,409
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<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Givre, Dr. Sophia J.	US Department of Education	Binghamton University Upward Bound Rural Program 2017-2022	100	\$125,251	\$9,701	\$134,952
Givre, Dr. Sophia J.	US Department of Education	Binghamton University Upward Bound Rural Program	100	\$139,973	\$11,198	\$151,171
Givre, Dr. Sophia J.	US Department of Education	Binghamton University Upward Bound Rural Program 2017-2022	100	\$20,060	\$0	\$20,060
Givre, Dr. Sophia J.	US Department of Education	2018-2022 Binghamton University Upward Bound Program	100	\$24,177	\$0	\$24,177
Rebello, Mr. Stephen Michael	US Department of Education	Student Support Services STEM Program at Binghamton University 2020-2025	100	\$249,115	\$19,929	\$269,044
Rebello, Mr. Stephen Michael	US Department of Education	Student Support Services STEM Program at Binghamton University 2020-2025	100	\$4,884	\$0	\$4,884
Rebello, Mr. Stephen Michael	US Department of Education	Student Support Services Program at Binghamton University 2021-2026	100	\$393,382	\$31,471	\$424,852
Rebello, Mr. Stephen Michael	US Department of Education	Student Support Services Program at Binghamton University 2021-2026	100	\$12,185	\$0	\$12,185
Rebello, Mr. Stephen Michael	US Department of Education	Binghamton University Upward Bound Program 2023-2028	100	\$20,942	\$1,675	\$22,618

Department Total: \$1,395,351

020 Systems Science and Indust Eng (SSIE)

Borgesen, Mr. Peter	Allegro Microsystems	Allegro Microsystems Materials Testing Agreement (Project 1)	100	\$825	\$206	\$1,031
Borgesen, Mr. Peter	Multiple Sponsors	International Visiting Research Scholar Activities	100	\$1,121	\$280	\$1,401

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
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	\$5,196	\$2,712	\$7,908
Borgesen, Mr. Peter	Purdue University	Borgesen 2020 SRC CHIRP: Reliable Low Temperature Solder Approach	100	\$28,398	\$16,187	\$44,585
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	\$4,948	\$2,820	\$7,768
Chalil Madathil, Dr. Sreenath	University of Texas at El Paso	Improving Student Engagement and Training in Healthcare Engineering	100	\$11,999	\$6,840	\$18,839
Cheng, Dr. Changqing	National Science Foundation	EAGER International Type 11: Sustainable International Collaboration in Spaitotemporal Modeling of Human Mobility and Contagion Dynamics for COVID-19	100	\$92,254	\$50,389	\$142,643
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	\$89,233	\$18,167	\$107,400
Chung, Dr. Sunghoon	National Science Foundation	Collaborative Research: Arc Routing Problems in Combined Drone/ Truck Fleets	100	\$38,003	\$21,113	\$59,116
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	\$89,233	\$18,167	\$107,400
Deng, Dr. Jia	National Science Foundation	Multiple-Energy- Assisted Ultrasharp Probe-Based Nanomanufacturing for High-Resolution and High-Efficiency Nanopatterning	50	\$81,191	\$31,872	\$113,064
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Continual Process Improvement for the Assembly of Advanced Complex Surface Mount Devices Assemblies Utilizing Advanced Process Research	50	\$444	\$115	\$559

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Advancement in the Assembly Process of Complex Surface Mount Devices	50	\$406	\$106	\$511
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Complex Surface Mount Device Continual Process Improvement of Assemblies Utilizing Advanced Proces Research	50	\$41	\$11	\$52
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Quality and Reliability Engineering for Complex Surface Mount Devices	50	\$1,735	\$451	\$2,186
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Continuous Process Improvement for Advanced Complex Surface Mount Devices	50	\$3,870	\$1,006	\$4,877
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Advanced Assembly Process Research and Development for Complex Surface Mount Devices	50	\$5,868	\$1,526	\$7,394
Jin, Dr. Yu	Innovation Associates Doing Business As iA	Pharmacy System Design Validation and Improvement Through Data Analytics and Simulation Modeling	33	\$81,767	\$14,363	\$96,130
Jin, Dr. Yu	Zebra Technologies Enterprise Corporation	Simulation-based Business Intelligence and Analytics for Digital Transformation in Manufacturing	20	\$8,809	\$1,946	\$10,755
Jin, Dr. Yu	Innovation Associates Doing Business As iA	CFP Process Evaluation, Sortation System Improvement, and Conveyor Design Principle Study for Cost Reduction	25	\$11,967	\$871	\$12,838
Jin, Dr. Yu	Innovation Associates Doing Business As iA	Development of a Virtual Environment for Pharmacy Automation Systems for Software Testing, Training, and Marketing Purposes	33	\$19,199	\$4,992	\$24,191
Khasawneh, Dr. Mohammad	Nuvance Health	Health System Transformation and Data Management Support for Nuvance Health	50	\$6,689	\$1,614	\$8,303
Khasawneh, Dr. Mohammad	Waymo Limited Liability Corporation	R&D Support for PCB/A Technology Projects at Waymo LLC.	33	\$15,998	\$3,994	\$19,992
Khasawneh, Dr. Mohammad	Waseda University	Spontaneous ideological escalation without leaders as distributed socio-dynamical process	100	\$6,157	\$3,509	\$9,666

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Khasawneh, Dr. Mohammad	Waseda University	How Does Diversity of Individuals Affects the Structure of Society?: A Constructive Approach Using Adaptive Networks	100	\$7,801	\$4,447	\$12,248
Khasawneh, Dr. Mohammad	United Health Services Hospitals Incorporated	Business Intelligence and Performance Improvement R&D (2022-2023)	50	\$37,379	\$8,563	\$45,942
Khasawneh, Dr. Mohammad	United Health Services Hospitals Incorporated	Business Intelligence & Performance Improvement R&D	50	\$18,516	\$4,814	\$23,330
Khasawneh, Dr. Mohammad	TidalHealth	Continuous Performance Improvement and System Modeling Support for TidalHealth, Inc	50	\$21,688	\$4,859	\$26,547
Khasawneh, Dr. Mohammad	SUNY Downstate Health Sciences University	Support for Supply Chain Operations Performance Improvement and Cost Reduction	50	\$115,181	\$23,046	\$138,226
Khasawneh, Dr. Mohammad	Smart Modular Technologies Inc	Quality and Reliability Process Analyses for Complex Electronics Assemblies	50	\$12,586	\$3,272	\$15,859
Khasawneh, Dr. Mohammad	RTSync Corporation	Model Level Integrated Architecture for Collaborate Development (CAMLI) Prime Contract HQ0860-22-C-7144	33	\$6,086	\$3,469	\$9,556
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	\$304,455	\$56,787	\$361,241
Khasawneh, Dr. Mohammad	PCE Paragon Solutions USA Incorporated	Supporting Supply Chain Strategy Decision Science to Drive Transformational Changes	33	\$22,005	\$4,609	\$26,614
Khasawneh, Dr. Mohammad	Zebra Technologies Enterprise Corporation	Simulation-based Business Intelligence and Analytics for Digital Transformation in Manufacturing	20	\$8,809	\$1,946	\$10,755
Khasawneh, Dr. Mohammad	Best Buy Purchasing LLC	Supporting Supply Chain Strategy Decision Science to Drive Transformational Changes	33	\$4,947	\$772	\$5,719
Khasawneh, Dr. Mohammad	Montefiore Hospital and Medical Center	Process Analysis and Performance Excellence for Integrated Delivery Care Systems	33	\$7,611	\$1,979	\$9,590

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Khasawneh, Dr. Mohammad	Montefiore Hospital and Medical Center	Business Process Engineering Support for Network Management Systems CMO (AMD 23)	33	\$16,155	\$4,200	\$20,356
Khasawneh, Dr. Mohammad	Montefiore Hospital and Medical Center	Process Analysis and Performance Excellence for Integrated Delivery Care Systems	33	\$4,383	\$1,140	\$5,522
Khasawneh, Dr. Mohammad	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow and Outpatient Medication Management (AMD 6)	50	\$30,239	\$7,862	\$38,102
Khasawneh, Dr. Mohammad	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow and Outpatient Medication Management	50	\$14,747	\$3,834	\$18,581
Khasawneh, Dr. Mohammad	Holy Name Medical Center	Advanced Data Analytics and Performance Improvement Support for Holy Name Medical Center	50	\$5,375	\$1,397	\$6,772
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	\$89,233	\$18,167	\$107,400
Khasawneh, Dr. Mohammad	Foxconn Assembly Limited Liability Company	Process Engineering and NPI Support in Electronics Assembly	33	\$17,662	\$3,864	\$21,525
Khasawneh, Dr. Mohammad	Foxconn Assembly Limited Liability Company	Process Development and Improvement for New Product Introductions in Electronics Assembly	33	\$16,372	\$4,054	\$20,426
Khasawneh, Dr. Mohammad	EwingCole	Healthcare Practice Research and Development through Operational Planning and Simulation Modeling	50	\$14,418	\$3,498	\$17,917
Khasawneh, Dr. Mohammad	Cooper University Health Care	Redesign of Care Processes and Workflows to Facilitate the Implementation of a Customer Relationship Management System (2021-2023)	34	\$22,582	\$5,006	\$27,588
Khasawneh, Dr. Mohammad	Christiana Care Health Services Incorporated	Organizational Excellence Support at Christiana Care (AMD 6)	34	\$11,922	\$2,930	\$14,852
Khasawneh, Dr. Mohammad	RTSync Corporation	Model Level Integrated Simulation Architecture for Collaborative Development Prime Contract Number HQ0860-22-C-7144	33	\$13,897	\$2,734	\$16,631

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Lam, Dr. Sarah	Christiana Care Health Services Incorporated	Organizational Excellence Support at Christiana Care (AMD 6)	33	\$11,572	\$2,843	\$14,415
Lam, Dr. Sarah	Cooper University Health Care	Redesign of Care Processes and Workflows to Facilitate the Implementation of a Customer Relationship Management System (2021-2023)	33	\$21,918	\$4,859	\$26,776
Lu, Dr. Susan Shuxia	National Science Foundation	I-Corps: Low-Cost and Highly Efficient Hydrogen Production from Water Splitting	50	\$1,921	\$213	\$2,134
Nagarur, Dr. Nagendra	Sanmina Corporation	Research in Materials, Assembly, and Automation in Printed Circuit Board Assembly	50	(\$5,543)	\$807	(\$4,736)
Nagarur, Dr. Nagendra	Sanmina Corporation	Research in System Integration at a New Product Introduction Facility	33	\$14,439	\$1,852	\$16,290
Nagarur, Dr. Nagendra	Sanmina Corporation	Applied Research in Materials, Processes, and Automation in a Surface Mount Technology Company	33	\$17,942	\$3,631	\$21,573
Nagarur, Dr. Nagendra	Sanmina Corporation	Research in Quality Management in Electronics Assembly and Manufacturing	33	\$13,783	\$3,065	\$16,848
Nagarur, Dr. Nagendra	Sanmina Corporation	Research in Discrete Electronics Manufacturing and Automation	33	\$17,842	\$4,305	\$22,147
Nagarur, Dr. Nagendra	Sanmina Corporation	Research in Materials, Assembly, and Automation in a Surface Mount Technology Company	33	\$18,604	\$3,541	\$22,145
Ning, Dr. Fuda	Sanmina Corporation	Research in Quality Management in Electronics Manufacturing and Packaging	50	\$10,067	\$2,617	\$12,684
Ning, Dr. Fuda	Sanmina Corporation	Research in Quality Management in Electronics Assembly and Manufacturing	33	\$13,783	\$3,065	\$16,848
Ning, Dr. Fuda	Waymo Limited Liability Corporation	R&D Support for PCB/A Technology Projects at Waymo LLC.	33	\$15,998	\$3,994	\$19,992

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Ning, Dr. Fuda	Sanmina Corporation	Research in Manufacturing Engineering at a Surface Mounting Technology Company	50	\$150	\$39	\$189
Ning, Dr. Fuda	Sanmina Corporation	Research in Automation Software Engineering for Electronics Packaging	50	\$1,677	\$281	\$1,959
Ning, Dr. Fuda	Sanmina Corporation	Research in Electronics Manufacturing and Automation Engineering	50	\$17,877	\$3,088	\$20,965
Ning, Dr. Fuda	Sanmina Corporation	Research in Discrete Electronics Manufacturing and Automation	33	\$17,842	\$4,305	\$22,147
Ning, Dr. Fuda	Sanmina Corporation	Research in Materials, Assembly, and Automation in a Surface Mount Technology Company	33	\$18,604	\$3,541	\$22,145
Ning, Dr. Fuda	Sanmina Corporation	Applied Research in Materials, Processes, and Automation in a Surface Mount Technology Company	33	\$17,942	\$3,631	\$21,573
Ning, Dr. Fuda	Sanmina Corporation	Research in System Integration at a New Product Introduction Facility	33	\$14,439	\$1,852	\$16,290
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	\$5,196	\$2,712	\$7,908
Ning, Dr. Fuda	Additive Technologies Limited Liability Corporation	Additive Manufacturing of Titanium Thin-wall Structures	100	\$3,908	\$977	\$4,885
Poliks, Dr. Mark D	Honeywell Federal Manufacturing & Technologies LLC	AM Electronics Testing Development 705049, Rev.1	100	\$5,652	\$3,222	\$8,874
Poliks, Dr. Mark D	NextFlex	Task 6.7: NextFlex Mid-Band Phased Array Demonstrator Using Printed and Flexible Hybrid Electronics	100	\$306,808	\$33,308	\$340,116
Poliks, Dr. Mark D	NextFlex	Task 6.2: NextFlex Reliability Validation and Sustainment of Direct-Write Printed RF Devices	100	\$249,544	\$30,113	\$279,658

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Poliks, Dr. Mark D	National Science Foundation	MRI: Acquisition of a Hard X-Ray PhotoElectron Spectroscopy (HAXPES) for the Institute for Materials Research (IMR) at Binghamton University (BU)	10	\$7,040	\$0	\$7,040
Poliks, Dr. Mark D	Nano-Bio Materials Consortium	Paper 52: Wireless Interstitial Fluid Monitoring Devices	100	\$709,347	\$76,713	\$786,059
Poliks, Dr. Mark D	NextFlex	Task 6.10: NextFlex Small-Scale mm-Wave SATCOM System & 5G Systems for UAS Attributable Platform	100	\$276,912	\$44,200	\$321,112
Poliks, Dr. Mark D	Lux Semiconductors Incorporated	SBIR Phase 2: Circuit Fabrication and Development on Novel Thin-Film Crystalline Silicon	100	\$31,301	\$17,024	\$48,325
Poliks, Dr. Mark D	NYS Department of Economic Development	Center For Flexible Hybrid Medical Device Manufacturing	100	\$714,397	\$65,827	\$780,224
Poliks, Dr. Mark D	FuzeHub	Scalable Manufacturing of Microelectronic Biosensors Using Conductive Links Binghamton University CAMM Aincobio	100	\$8,666	\$0	\$8,666
Poliks, Dr. Mark D	Lux Semiconductors Incorporated	PC6.1 Evaluating System-on-foil (TM) Interposer for High-Performance FHE	100	\$49,806	\$17,654	\$67,460
Poliks, Dr. Mark D	NextFlex	Task 6.1: AM High Temperature RF Components for Hypersonics	100	\$118,519	\$12,375	\$130,895
Poliks, Dr. Mark D	NextFlex	PC7.1 Hybrid RF Multi Chip Module (MCM) with Printed Substrates and Interconnects	100	\$138,421	\$14,430	\$152,851
Poliks, Dr. Mark D	NYS Department of Economic Development	Center For Flexible Hybrid Medical Device Manufacturing	100	\$22,556	\$0	\$22,556
Poliks, Dr. Mark D	Flex Tech Alliance	Soft ElectroNc Skin-Innervated Robotic Work for Rapid Maintenance of Strategic Assets (Sensiworm)	50	\$270,357	\$3,534	\$273,891
Poliks, Dr. Mark D	NYS Department of Economic Development	Center For Flexible Hybrid Medical Device Manufacturing	100	\$24,199	\$0	\$24,199

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Poliks, Dr. Mark D	SEMI	3D Printed Electronics with Multi Jet Fusion for Flexible Hybrid Electronics	100	\$581,992	\$52,291	\$634,283
Poliks, Dr. Mark D	SunRay Scientific LLC	Robust Conformal Interconnections for Skin Patch Electronic Sensor Systems- Agreement No. FA864922P1051	100	\$13,246	\$7,550	\$20,797
Poliks, Dr. Mark D	TTM Technologies	FlexMed Research Support/Collaboration TTM BGM	100	\$4,758	\$1,223	\$5,981
Poliks, Dr. Mark D	Universal Instruments Corporation	FlexMed: Evaluation of flip-chip methods suitable for low-cost, limited-temperature flexible substrate materials	100	\$0	\$685	\$685
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	\$55,820	\$29,926	\$85,747
Poliks, Dr. Mark D	NextFlex	PC7.7.1: Manufacturing Approaches for Low-Cost Sustainable Single Use Medical Devices	100	\$186,573	\$28,500	\$215,073
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$16,681	\$7,798	\$24,480
Poliks, Dr. Mark D	Honeywell Federal Manufacturing & Technologies LLC	Advanced Manufacturing Testing	100	\$13,447	\$7,665	\$21,112
Poliks, Dr. Mark D	Aptima Incorporated	PC7.8.2- Project SAFE-TE (Safety Assessments of FHE and Enhancements for Tough Environments) SLIN NO: 001	100	\$26,894	\$12,897	\$39,791
Poliks, Dr. Mark D	CathBuddy	Development of a Resuable, Sensor-enabled Smart Catheter	100	\$4,859	\$2,770	\$7,629
Poliks, Dr. Mark D	Corning Incorporated	FlexMed: Metalization and R2R Processing on the Thin Flexible Inorganic Substrates	100	\$27,445	\$15,644	\$43,089
Poliks, Dr. Mark D	Corning Incorporated	Roll-to-Roll (R2R) Processing of Thin Flexible Inorganic Substrates	100	\$48,430	\$23,636	\$72,066

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Poliks, Dr. Mark D	Empire State Development Corp	Wireless Vital Sign Monitoring Devices for Ambulatory Care	100	\$173,849	\$26,211	\$200,060
Poliks, Dr. Mark D	Flex Tech Alliance	Advanced Power Device Integration Using Direct Write Technology Paper 13	100	\$337,193	\$9,903	\$347,096
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$20,493	\$11,681	\$32,174
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$114,916	\$35,148	\$150,065
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$28,683	\$16,075	\$44,758
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$73,587	\$20,304	\$93,891
Poliks, Dr. Mark D	2M Technology Limited Liability Company	FlexMed: 2M Technology LLC Testing Agreement	100	\$13,889	\$3,472	\$17,361
Poliks, Dr. Mark D	Flex Tech Alliance	Wireless Vital Sign Monitoring Devices for Ambulatory Care	100	\$149,214	\$1,255	\$150,470
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$425,138	\$50,765	\$475,903
Poliks, Dr. Mark D	Empire State Development Corp	Soft ElectroNic Skin-Innervated Robotic Work for Rapid Maintenance of Strategic Assets (Sensiworm)	50	\$119,706	\$10,031	\$129,737
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$119,267	\$48,169	\$167,436
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match - Advanced Power Integration Using Direct Write Technology	100	\$291,826	\$12,874	\$304,699

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Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$16,965	\$7,238	\$24,203
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$13,450	\$7,666	\$21,116
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$2,386	\$1,360	\$3,746
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$39,899	\$20,851	\$60,750
Poliks, Dr. Mark D	Empire State Development Corp	AA878 Consolidated Award	100	\$135,750	\$14,250	\$150,000
Rocha, Dr. Luis	Trustees of Indiana University	NRT: Interdisciplinary Training in Complex Networks and Systems Subaward BL 9294	100	\$774	\$387	\$1,160
Rocha, Dr. Luis	National Library of Medicine	myAURA: Personalized Web Service for Epilepsy Management	100	\$148,316	\$60,894	\$209,210
Santos, Dr. Daryl L	Foxconn Assembly Limited Liability Company	Process Development and Improvement for New Product Introductions in Electronics Assembly	33	\$16,372	\$4,054	\$20,426
Santos, Dr. Daryl L	Foxconn Assembly Limited Liability Company	Process Engineering and NPI Support in Electronics Assembly	33	\$17,662	\$3,864	\$21,525
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	\$89,233	\$18,167	\$107,400
Santos, Dr. Daryl L	PCE Paragon Solutions USA Incorporated	Supporting Supply Chain Strategy Decision Science to Drive Transformational Changes	33	\$22,005	\$4,609	\$26,614
Santos, Dr. Daryl L	Smart Modular Technologies Inc	Failure Analysis of DRAM and Flash Memory Modules	50	\$19,993	\$4,168	\$24,161

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Si, Dr. Bing	University of Rhode Island	Multi-level Influences of Violence Screening in College Health Centers	100	\$24,996	\$14,248	\$39,243
Si, Dr. Bing	IBM Corporation	Ray -F2R-FL: Ray Based Functional Regression with Federated Learning	80	\$32,565	\$0	\$32,565
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	\$13,872	\$7,907	\$21,779
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	\$6,782	\$3,866	\$10,647
Si, Dr. Bing	State University of New York	Ray-based Functional Regression with Federated Learning	80	\$31,204	\$0	\$31,204
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in System Integration at a New Product Introduction Facility	34	\$14,876	\$1,908	\$16,784
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Automation Software Engineering for Electronics Packaging	50	\$1,677	\$281	\$1,959
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Electronics Manufacturing and Automation Engineering	50	\$17,877	\$3,088	\$20,965
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Quality Management in Electronics Manufacturing and Packaging	50	\$10,067	\$2,617	\$12,684
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Materials, Assembly, and Automation in a Surface Mount Technology Company	34	\$19,168	\$3,648	\$22,816
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Discrete Electronics Manufacturing and Automation	34	\$18,383	\$4,435	\$22,818
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Materials, Assembly, and Automation in Printed Circuit Board Assembly	50	(\$5,543)	\$807	(\$4,736)

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Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Continual Process Improvement for the Assembly of Advanced Complex Surface Mount Devices Assemblies Utilizing Advanced Process Research	50	\$444	\$115	\$559
Srihari, Dr. Krishnaswami	Zebra Technologies Enterprise Corporation	Simulation-based Business Intelligence and Analytics for Digital Transformation in Manufacturing	20	\$8,809	\$1,946	\$10,755
Srihari, Dr. Krishnaswami	RTSync Corporation	Model Level Integrated Architecture for Collaborate Development (CAMLI) Prime Contract HQ0860-22-C-7144	33	\$6,086	\$3,469	\$9,556
Srihari, Dr. Krishnaswami	RTSync Corporation	Model Level Integrated Simulation Architecture for Collaborative Development Prime Contract Number HQ0860-22-C-7144	33	\$13,897	\$2,734	\$16,631
Srihari, Dr. Krishnaswami	Raymond Leasing Corporation	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting AMD 1	34	\$9,742	\$1,918	\$11,660
Srihari, Dr. Krishnaswami	Raymond Leasing Corporation	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting	34	\$8,077	\$2,100	\$10,177
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Quality Management in Electronics Assembly and Manufacturing	34	\$14,201	\$3,158	\$17,358
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Manufacturing Engineering at a Surface Mounting Technology Company	50	\$150	\$39	\$189
Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Advancement in the Assembly Process of Complex Surface Mount Devices	50	\$406	\$106	\$511
Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Quality and Reliability Process Analyses for Complex Electronics Assemblies	50	\$12,586	\$3,272	\$15,859
Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Failure Analysis of DRAM and Flash Memory Modules	50	\$19,993	\$4,168	\$24,161
Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Complex Surface Mount Device Continual Process Improvement of Assemblies Utilizing Advanced Proces Research	50	\$41	\$11	\$52

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Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Quality and Reliability Engineering for Complex Surface Mount Devices	50	\$1,735	\$451	\$2,186
Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Continuous Process Improvement for Advanced Complex Surface Mount Devices	50	\$3,870	\$1,006	\$4,877
Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Advanced Assembly Process Research and Development for Complex Surface Mount Devices	50	\$5,868	\$1,526	\$7,394
Srihari, Dr. Krishnaswami	SUNY Downstate Health Sciences University	Support for Supply Chain Operations Performance Improvement and Cost Reduction	50	\$115,181	\$23,046	\$138,226
Srihari, Dr. Krishnaswami	TidalHealth	Continuous Performance Improvement and System Modeling Support for TidalHealth, Inc	50	\$21,688	\$4,859	\$26,547
Srihari, Dr. Krishnaswami	United Health Services Hospitals Incorporated	Business Intelligence & Performance Improvement R&D	50	\$18,516	\$4,814	\$23,330
Srihari, Dr. Krishnaswami	United Health Services Hospitals Incorporated	Business Intelligence and Performance Improvement R&D (2022-2023)	50	\$37,379	\$8,563	\$45,942
Srihari, Dr. Krishnaswami	Waymo Limited Liability Corporation	R&D Support for PCB/A Technology Projects at Waymo LLC.	34	\$16,483	\$4,115	\$20,598
Srihari, Dr. Krishnaswami	Raymond Corporation	Supporting Continuous Improvement Team's Effort in the Project RESET	34	\$1,249	\$325	\$1,573
Srihari, Dr. Krishnaswami	Sanmina Corporation	Process Engineering and Development at an Electronics Manufacturing and Packaging Company	100	\$45,361	\$11,794	\$57,155
Srihari, Dr. Krishnaswami	GE Grid Solutions	Battery Performance Degradation Prediction and Market Bidding Optimization Using Artificial Intelligence, Machine Learning, and Stochastic Optimization	50	\$23,170	\$4,933	\$28,102
Srihari, Dr. Krishnaswami	Raymond Corporation	Inventory Optimization and Process Automation for Raymond Logistics	34	\$10,319	\$2,098	\$12,417

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Srihari, Dr. Krishnaswami	Sanmina Corporation	Applied Research in Materials, Processes, and Automation in a Surface Mount Technology Company	34	\$18,485	\$3,741	\$22,226
Srihari, Dr. Krishnaswami	Analog Devices, Incorporated	Packaging System Design R&D and Engineering Support	100	\$16,504	\$4,291	\$20,794
Srihari, Dr. Krishnaswami	Bennett Distribution Services Limited Liability Corporation	Warehouse Operations Management and Analytics Research And Development	34	\$24,266	\$5,154	\$29,420
Srihari, Dr. Krishnaswami	Bennett Distribution Services Limited Liability Corporation	Bennett Distribution Services Operations Management and Warehouse Process Improvement	34	\$19,169	\$3,923	\$23,093
Srihari, Dr. Krishnaswami	Best Buy Purchasing LLC	Supporting Supply Chain Strategy Decision Science to Drive Transformational Changes	34	\$5,097	\$795	\$5,892
Srihari, Dr. Krishnaswami	Christiana Care Health Services Incorporated	Organizational Excellence Support at Christiana Care (AMD 6)	33	\$11,572	\$2,843	\$14,415
Srihari, Dr. Krishnaswami	Cooper University Health Care	Redesign of Care Processes and Workflows to Facilitate the Implementation of a Customer Relationship Management System (2021-2023)	33	\$21,918	\$4,859	\$26,776
Srihari, Dr. Krishnaswami	EOS Energy Enterprises	Application Engineering Support for Technical Solutions in Battery Energy Storage Systems (AMD 4)	50	\$7,168	\$1,084	\$8,252
Srihari, Dr. Krishnaswami	EwingCole	Healthcare Practice Research and Development through Operational Planning and Simulation Modeling	50	\$14,418	\$3,498	\$17,917
Srihari, Dr. Krishnaswami	Foxconn Assembly Limited Liability Company	Process Development and Improvement for New Product Introductions in Electronics Assembly	34	\$16,868	\$4,177	\$21,045
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	\$89,233	\$18,167	\$107,400
Srihari, Dr. Krishnaswami	Holy Name Medical Center	Advanced Data Analytics and Performance Improvement Support for Holy Name Medical Center	50	\$5,375	\$1,397	\$6,772

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Srihari, Dr. Krishnaswami	Innovation Associates Doing Business As iA	Development of a Virtual Environment for Pharmacy Automation Systems for Software Testing, Training, and Marketing Purposes	34	\$19,781	\$5,143	\$24,924
Srihari, Dr. Krishnaswami	Montefiore Hospital and Medical Center	Business Process Engineering Support for Network Management Systems CMO (AMD 23)	34	\$16,645	\$4,328	\$20,972
Srihari, Dr. Krishnaswami	Raymond Corporation	Data Analytics for Process Evaluation and Daily Process Automation in Raymond Logistics	34	\$5,332	\$1,386	\$6,718
Srihari, Dr. Krishnaswami	PCE Paragon Solutions USA Incorporated	Supporting Supply Chain Strategy Decision Science to Drive Transformational Changes	34	\$22,672	\$4,749	\$27,420
Srihari, Dr. Krishnaswami	Nuvance Health	Health System Transformation and Data Management Support for Nuvance Health	50	\$6,689	\$1,614	\$8,303
Srihari, Dr. Krishnaswami	Foxconn Assembly Limited Liability Company	Process Engineering and NPI Support in Electronics Assembly	34	\$18,197	\$3,981	\$22,178
Srihari, Dr. Krishnaswami	Montefiore Hospital and Medical Center	Process Analysis and Performance Excellence for Integrated Delivery Care Systems	34	\$7,842	\$2,039	\$9,880
Srihari, Dr. Krishnaswami	Innovation Associates Doing Business As iA	CFP Process Evaluation, Sortation System Improvement, and Conveyor Design Principle Study for Cost Reduction	25	\$11,967	\$871	\$12,838
Srihari, Dr. Krishnaswami	Montefiore Hospital and Medical Center	Process Analysis and Performance Excellence for Integrated Delivery Care Systems	34	\$4,516	\$1,174	\$5,690
Srihari, Dr. Krishnaswami	Meta Platforms Technologies Limited Liability Corporation	Hardware Validation Testing Solution Development for Operations Integration at Facebook Infrastructure SOW INB2389116	100	\$8,588	\$2,233	\$10,820
Srihari, Dr. Krishnaswami	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow and Outpatient Medication Management (AMD 6)	50	\$30,239	\$7,862	\$38,102
Srihari, Dr. Krishnaswami	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow and Outpatient Medication Management	50	\$14,747	\$3,834	\$18,581

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Srihari, Dr. Krishnaswami	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains (AMD 1. 22-23)	34	\$27,193	\$6,185	\$33,378
Srihari, Dr. Krishnaswami	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains	34	\$44	\$12	\$56
Srihari, Dr. Krishnaswami	Kennedy Valve Company	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	25	\$12,024	\$2,729	\$14,754
Srihari, Dr. Krishnaswami	Innovation Associates Doing Business As iA	Pharmacy System Design Validation and Improvement Through Data Analytics and Simulation Modeling	34	\$84,245	\$14,798	\$99,043
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	\$304,455	\$56,787	\$361,241
Wang, Dr. Yong	Montefiore Hospital and Medical Center	Business Process Engineering Support for Network Management Systems CMO (AMD 23)	33	\$16,155	\$4,200	\$20,356
Wang, Dr. Yong	Bennett Distribution Services Limited Liability Corporation	Bennett Distribution Services Operations Management and Warehouse Process Improvement	33	\$18,606	\$3,808	\$22,413
Wang, Dr. Yong	Raymond Leasing Corporation	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting AMD 1	33	\$9,456	\$1,861	\$11,317
Wang, Dr. Yong	Raymond Leasing Corporation	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting	33	\$7,840	\$2,038	\$9,878
Wang, Dr. Yong	Raymond Corporation	Supporting Continuous Improvement Team's Effort in the Project RESET	33	\$1,212	\$315	\$1,527
Wang, Dr. Yong	Raymond Corporation	Inventory Optimization and Process Automation for Raymond Logistics	33	\$10,016	\$2,036	\$12,052
Wang, Dr. Yong	Raymond Corporation	Data Analytics for Process Evaluation and Daily Process Automation in Raymond Logistics	33	\$5,175	\$1,345	\$6,520

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Wang, Dr. Yong	Montefiore Hospital and Medical Center	Process Analysis and Performance Excellence for Integrated Delivery Care Systems	33	\$7,611	\$1,979	\$9,590
Wang, Dr. Yong	Kennedy Valve Company	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	25	\$12,024	\$2,729	\$14,754
Wang, Dr. Yong	Innovation Associates Doing Business As iA	CFP Process Evaluation, Sortation System Improvement, and Conveyor Design Principle Study for Cost Reduction	25	\$11,967	\$871	\$12,838
Wang, Dr. Yong	GE Grid Solutions	Battery Performance Degradation Prediction and Market Bidding Optimization Using Artificial Intelligence, Machine Learning, and Stochastic Optimization	50	\$23,170	\$4,933	\$28,102
Wang, Dr. Yong	Empire State Development Corp	Smart Cities Innovation Partnership Project: Advanced Water Meters in New York State: Capital Grant: Project#134,146	34	\$57,549	\$2,445	\$59,994
Wang, Dr. Yong	Bennett Distribution Services Limited Liability Corporation	Warehouse Operations Management and Analytics Research And Development	33	\$23,552	\$5,003	\$28,555
Wang, Dr. Yong	EOS Energy Enterprises	Application Engineering Support for Technical Solutions in Battery Energy Storage Systems (AMD 4)	50	\$7,168	\$1,084	\$8,252
Wang, Dr. Yong	Montefiore Hospital and Medical Center	Process Analysis and Performance Excellence for Integrated Delivery Care Systems	33	\$4,383	\$1,140	\$5,522
Wang, Dr. Zimo	Kennedy Valve Company	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	25	\$12,024	\$2,729	\$14,754
Won, Dr. Daehan	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains	33	\$43	\$11	\$54
Won, Dr. Daehan	Zebra Technologies Enterprise Corporation	Simulation-based Business Intelligence and Analytics for Digital Transformation in Manufacturing	20	\$8,809	\$1,946	\$10,755
Won, Dr. Daehan	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains (AMD 1. 22-23)	33	\$26,393	\$6,003	\$32,396

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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	\$10,069	\$4,429	\$14,498
Won, Dr. Daehan	Koh Young Technology Incorporated	Development of Self-Optimization and AI-based Diagnostics Modules in the Printed Circuit Board Assembly Process	33	\$20,083	\$10,138	\$30,220
Won, Dr. Daehan	Koh Young Technology Incorporated	AI-based System Integration for Process Enhancement in the Printed Circuit Board Assembly	33	\$14,961	\$7,218	\$22,179
Won, Dr. Daehan	Best Buy Purchasing LLC	Supporting Supply Chain Strategy Decision Science to Drive Transformational Changes	33	\$4,947	\$772	\$5,719
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	\$15,068	\$7,279	\$22,347
Won, Dr. Daehan	Nano-Bio Materials Consortium	Epifluidics for Stress Monitoring	30	\$6,351	\$3,620	\$9,972
Won, Mr. Daehan	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	25	\$4,729	\$2,696	\$7,425
Yoon, Dr. Sangwon	RTSync Corporation	Model Level Integrated Simulation Architecture for Collaborative Development Prime Contract Number HQ0860-22-C-7144	34	\$14,318	\$2,817	\$17,135
Yoon, Dr. Sangwon	Zebra Technologies Enterprise Corporation	Simulation-based Business Intelligence and Analytics for Digital Transformation in Manufacturing	20	\$8,809	\$1,946	\$10,755
Yoon, Dr. Sangwon	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	25	\$4,729	\$2,696	\$7,425
Yoon, Dr. Sangwon	Raymond Corporation	Data Analytics for Process Evaluation and Daily Process Automation in Raymond Logistics	33	\$5,175	\$1,345	\$6,520

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Yoon, Dr. Sangwon	Raymond Corporation	Inventory Optimization and Process Automation for Raymond Logistics	33	\$10,016	\$2,036	\$12,052
Yoon, Dr. Sangwon	Raymond Corporation	Supporting Continuous Improvement Team's Effort in the Project RESET	33	\$1,212	\$315	\$1,527
Yoon, Dr. Sangwon	Raymond Leasing Corporation	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting AMD 1	33	\$9,456	\$1,861	\$11,317
Yoon, Dr. Sangwon	RTSync Corporation	Model Level Integrated Architecture for Collaborate Development (CAMLI) Prime Contract HQ0860-22-C-7144	34	\$6,271	\$3,574	\$9,845
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	\$10,069	\$4,429	\$14,498
Yoon, Dr. Sangwon	Raymond Leasing Corporation	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting	33	\$7,840	\$2,038	\$9,878
Yoon, Dr. Sangwon	Innovation Associates Doing Business As iA	Development of a Virtual Environment for Pharmacy Automation Systems for Software Testing, Training, and Marketing Purposes	33	\$19,199	\$4,992	\$24,191
Yoon, Dr. Sangwon	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains	33	\$43	\$11	\$54
Yoon, Dr. Sangwon	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains (AMD 1. 22-23)	33	\$26,393	\$6,003	\$32,396
Yoon, Dr. Sangwon	Bennett Distribution Services Limited Liability Corporation	Bennett Distribution Services Operations Management and Warehouse Process Improvement	33	\$18,606	\$3,808	\$22,413
Yoon, Dr. Sangwon	Innovation Associates Doing Business As iA	CFP Process Evaluation, Sortation System Improvement, and Conveyor Design Principle Study for Cost Reduction	25	\$11,967	\$871	\$12,838
Yoon, Dr. Sangwon	Innovation Associates Doing Business As iA	Pharmacy System Design Validation and Improvement Through Data Analytics and Simulation Modeling	33	\$81,767	\$14,363	\$96,130

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Yoon, Dr. Sangwon	Kennedy Valve Company	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	25	\$12,024	\$2,729	\$14,754
Yoon, Dr. Sangwon	Koh Young Technology Incorporated	AI-based System Integration for Process Enhancement in the Printed Circuit Board Assembly	33	\$14,961	\$7,218	\$22,179
Yoon, Dr. Sangwon	Koh Young Technology Incorporated	Development of Self-Optimization and AI-based Diagnostics Modules in the Printed Circuit Board Assembly Process	33	\$20,083	\$10,138	\$30,220
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	\$15,068	\$7,279	\$22,347
Yoon, Dr. Sangwon	Bennett Distribution Services Limited Liability Corporation	Warehouse Operations Management and Analytics Research And Development	33	\$23,552	\$5,003	\$28,555

Department Total: \$11,884,163

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Baique, Mr. Miguel C	National Science Foundation	The State University of New York (SUNY) LSAMP: Meeting the Grand Challenge of Preparing Students for Successful Transition into STEM Majors and Beyond	100	\$18,919	\$477	\$19,396
Ghose, Dr. Kanad	National Science Foundation	Phase II IUCRC Binghamton University Center for Energy-Smart Electronic Systems (ES2)	50	\$15,873	\$9,048	\$24,921
Ghose, Dr. Kanad	Multiple Sponsors	Membership Commitments to Phase 3 award for ES2	50	\$41,372	\$4,137	\$45,509
Ghose, Dr. Kanad	Xilinx	Xilinx I/UCRC Membership 2017-2022	50	\$169	\$17	\$186

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Ghose, Dr. Kanad	University of Texas at Arlington	Phase II IUCRC University of Texas at Arlington Center for Energy Smart Electronic Systems - UTA NSF Award 1738811	50	\$3,042	\$1,734	\$4,776
Ghose, Dr. Kanad	Multiple Sponsors	Miscellaneous Support for ES2	50	\$2,467	\$247	\$2,714
Ghose, Dr. Kanad	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$29,167	\$0	\$29,167
Ghose, Dr. Kanad	Villanova University	PHASE II- IUCRC Center for Energy-Smart Electronic Systems - Subaward 525877 FleischerBinghamton	50	\$6,056	\$3,452	\$9,508
Ghose, Dr. Kanad	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$16,667	\$0	\$16,667
Ghose, Dr. Kanad	Multiple Sponsors	Membership Commitments to Phase 3 award for ES2	50	\$37,499	\$0	\$37,499
Ghose, Dr. Kanad	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$275,285	\$27,529	\$302,814
Ghose, Dr. Kanad	Bloomberg LP	Industry/University Cooperative Research Center in Energy-Smart Electronic Systems Membership (ES2)	50	\$353	\$35	\$389
Gieskes, Mr. Koenraad E.	NYS Education Department	STEP 2021-2022	50	\$9,139	\$582	\$9,722
Gieskes, Mr. Koenraad E.	NYS Education Department	Science and Technology Entry Program (STEP)	50	\$75,649	\$6,052	\$81,701
Gieskes, Mr. Koenraad E.	National Science Foundation	Louis Stokes New STEM Pathways and Research Alliance: State University of New York (SUNY)	100	\$19,200	\$0	\$19,200
Gieskes, Mr. Koenraad E.	US Department of Education	Binghamton University Upward Bound Math and Science	50	\$11,910	\$953	\$12,863

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Park, Dr. Seungbae	Universal Instruments Corporation	Universal Instruments Annual Participating Membership IEEC	100	\$6,130	\$1,226	\$7,356
Park, Dr. Seungbae	NYS Department of Economic Development	NYS CAT Funding for 2021-2022	100	\$366,248	\$36,145	\$402,393
Park, Dr. Seungbae	NYS Department of Economic Development	Integrated Electronics Engineering Center (IEEC)	100	\$642,782	\$88,339	\$731,121
Park, Dr. Seungbae	Multiple Sponsors	Balances of Non-renewed IEEC Memberships	100	\$1,031	\$206	\$1,237
Park, Dr. Seungbae	Xilinx	IEEC Center Membership Agreement 2017-2024	100	\$50,553	\$10,111	\$60,664
Park, Dr. Seungbae	Prismark Partners LLC	Prismark Partner's Full Membership in the IEEC	100	\$17,707	\$3,541	\$21,248
Park, Dr. Seungbae	R&D Altanova	IEEC Membership 2021-2023 R&D Altanova	100	\$4,166	\$834	\$5,000
Park, Dr. Seungbae	Sanmina Corporation	2018-2023 Sanmina IEEC Membership	100	\$3,456	\$691	\$4,148
Park, Dr. Seungbae	Snake Creek Lasers LLC	Snake Creek Lasers dba Advanced Photonic Sciences IEEC Membership	100	\$7,645	\$1,529	\$9,174
Park, Dr. Seungbae	Unison Industries LLC	Unison's Participating Membership in the IEEC 2021-2022	100	\$4,159	\$832	\$4,990
Park, Dr. Seungbae	Menlo Microsystems Incorporated	Menlo Microsystems Participating Membership In the IEEC	100	\$4,182	\$836	\$5,018
Park, Dr. Seungbae	BAE Systems Controls Incorporated	BAE Full IEEC Membership 2021-2023	100	\$12,337	\$2,467	\$14,804

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Park, Dr. Seungbae	SVMT Corp	Participating Membership in the IEEC 2022 Silicon Valley Materials Technology Corp.	100	(\$1,000)	(\$200)	(\$1,200)
Park, Dr. Seungbae	Amphenol Aerospace Operations	Amphenol's Participating Membership in the IEEC 2021-2023	100	\$1,730	\$346	\$2,075
Park, Dr. Seungbae	Dupont Speciality Products USA LLC	E.I. du Pont IEEC Membership	100	\$1,804	\$361	\$2,165
Park, Dr. Seungbae	Lockheed Martin Corporation	Lockheed Martin's IEEC Membership	100	\$1,849	\$370	\$2,218
Park, Dr. Seungbae	Ames Goldsmith Corporation	Ames Goldsmith Participating Membership IEEC	100	\$1,000	\$200	\$1,200
Park, Dr. Seungbae	Analog Devices, Incorporated	Analog Devices Full Membership in the IEEC 2019-2023	100	\$7,759	\$1,552	\$9,311
Park, Dr. Seungbae	Applied Materials	Applied Materials IEEC Participating Membership 2022-2023	100	\$211	\$42	\$253
Park, Dr. Seungbae	AVO Photonics	Avo Photonics Participating Membership in IEEC 2021-2022	100	\$8,228	\$1,646	\$9,873
Park, Dr. Seungbae	Corning Incorporated	IEEC Membership 2015-2023 - Corning Inc.	100	\$88,702	\$17,740	\$106,442
Park, Dr. Seungbae	Excelitas Technologies	IEEC Membership Excelitas 2021-2023	100	\$4,538	\$908	\$5,446
Park, Dr. Seungbae	IBM Corporation	IEEC Membership- IBM 2018-2023	100	\$42,691	\$8,538	\$51,229
Park, Dr. Seungbae	Juniper Networks Incorporated	Juniper Network Membership in the IEEC 2021-2023	100	\$4,207	\$841	\$5,049

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Park, Dr. Seungbae	Koh Young Technology Incorporated	Integrated Electronics Engineering Center Membership 2018-2024	100	\$30,207	\$6,041	\$36,249
Park, Dr. Seungbae	Advanced Semiconductor Engineering Incorporated	ASE's Membership in the IEEC, 2015-2023	100	\$8,831	\$1,766	\$10,597
Sammakia, Dr. Bahgat G	Bloomberg LP	Industry/University Cooperative Research Center in Energy-Smart Electronic Systems Membership (ES2)	50	\$353	\$35	\$389
Sammakia, Dr. Bahgat G	National Science Foundation	Phase II IUCRC Binghamton University Center for Energy-Smart Electronic Systems (ES2)	50	\$15,873	\$9,048	\$24,921
Sammakia, Dr. Bahgat G	Xilinx	Xilinx I/UCRC Membership 2017-2022	50	\$169	\$17	\$186
Sammakia, Dr. Bahgat G	Villanova University	PHASE II- IUCRC Center for Energy-Smart Electronic Systems - Subaward 525877 FleischerBinghamton	50	\$6,056	\$3,452	\$9,508
Sammakia, Dr. Bahgat G	University of Texas at Arlington	Phase II IUCRC University of Texas at Arlington Center for Energy Smart Electronic Systems - UTA NSF Award 1738811	50	\$3,042	\$1,734	\$4,776
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	COE 2022-2023	100	\$810,557	\$109,172	\$919,729
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	COE 2021-2022	100	\$95,256	\$13,210	\$108,466
Sammakia, Dr. Bahgat G	Multiple Sponsors	Miscellaneous Support for ES2	50	\$2,467	\$247	\$2,714
Sammakia, Dr. Bahgat G	Multiple Sponsors	Membership Commitments to Phase 3 award for ES2	50	\$41,372	\$4,137	\$45,509
Sammakia, Dr. Bahgat G	Multiple Sponsors	Membership Commitments to Phase 3 award for ES2	50	\$37,499	\$0	\$37,499

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Sammakia, Dr. Bahgat G	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$29,167	\$0	\$29,167
Sammakia, Dr. Bahgat G	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$275,285	\$27,529	\$302,814
Sammakia, Dr. Bahgat G	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$16,667	\$0	\$16,667
Srihari, Dr. Krishnaswami	Multiple Sponsors	Income Received Through Watson School Continuing Education for SSIE Activities	100	\$34,167	\$8,542	\$42,709
Srihari, Dr. Krishnaswami	Multiple Sponsors	Income from Watson School Continuing Education Miscellaneous Activities	100	\$54,411	\$13,603	\$68,013

Department Total: \$3,738,156

Total:	\$63,721,696
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