

Sponsored Programs Proposal Submission Report

For the period July 1, 2022 to February 28, 2023



<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
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020 Acad Affairs Assoc Prov VP

Valerie Imbruce	Redesigning environmental studies core curriculum to educate 21st century professionals	National Science Foundation	25%	\$99,974	9/1/2023	8/31/2026
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Total # Credited 0.25

Total \$ Credited \$99,974

020 Acad Affairs Prov VP

Lorena Aguilar	Advancing Gender in the Environment	International Union for Conservation of Nature and Natural Resources	100%	\$24,749	9/29/2022	12/28/2022
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Total # Credited 1.00

Total \$ Credited \$24,749

020 Anthropology

BrieAnna Langlie	Collaborative Research: Growing Inequality? Farming, Herding, and Sociopolitical Transformation in the Prehispanic Andes	National Science Foundation	100%	\$118,277	6/1/2022	5/31/2025
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Carl Lipo	Scope of Work for a Remote Sensing Recommendation Study, Bundschu Ridge (Incident WWII-0716-J), Guam (I-SB-2020-10451).	International Archaeological Research Institute	50%	\$34,161	9/1/2022	8/31/2023
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Carl Lipo	NRT: EMERGE: Training next generation applied social scientists through authentic complex systems research	National Science Foundation	11%	\$329,956	6/1/2023	5/31/2028
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Carl Lipo	Collaborative Research: GCR: Using Convergent Modeling to Enhance Online Collective Action for Sustainable Offline Communities	National Science Foundation	14%	\$255,628	9/1/2023	8/31/2028
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Carl Lipo	MRI: Track 1 Acquisition of an Illumina NextSeq 2000 for High-Throughput Biomolecular Research	National Science Foundation	20%	\$95,033	10/1/2023	9/30/2026
David Mixter	Redesigning environmental studies core curriculum to educate 21st century professionals	National Science Foundation	25%	\$99,974	9/1/2023	8/31/2026
Katherine Wander	Doctoral Dissertation Research: Tuberculosis-helminthiasis syndemics: assessing the 'optimal iron hypothesis	National Science Foundation	100%	\$38,565	7/1/2023	5/31/2024
Katherine Wander	F31: TBD Fellowship for Rachael Anyim	National Institutes of Health	100%	\$63,904	6/1/2023	5/31/2025
Katherine Wander	Doctoral Dissertation Research: Does Milk Cortisol Serve as a Signal in Infant Immune System Development?	National Science Foundation	100%	\$29,405	1/1/2023	12/31/2023
Mallory Peters	Wenner-Gren Dissertation Fieldwork Grant for Mallory Peters	Wenner Gren Foundation for Anthropological Res	100%	\$25,000	8/31/2023	8/30/2024
Matthew Emery	MRI: Track 1 Acquisition of an Illumina NextSeq 2000 for High-Throughput Biomolecular Research	National Science Foundation	20%	\$95,033	10/1/2023	9/30/2026
Michel Shamoon-Pour	Characterizing microbiological PFAS precursors degradation by bacteria from contaminated landfills.	Environmental Research and Education Foundation	100%	\$100,000	1/1/2023	12/31/2024
Rachael Anyim	Wenner-Gren Dissertation Fieldwork Grant for Rachael Anyim	Wenner Gren Foundation for Anthropological Res	100%	\$25,000	7/1/2023	6/30/2024
<i>Total # Credited</i>				<i>8.40</i>		
<i>Total \$ Credited</i>				<i>\$1,309,936</i>		

020 Art History

Claire Kovacs	General Conservation Assessment of the Binghamton University Art Museum	National Endowment for the Humanities	100%	\$9,971	9/1/2023	6/30/2024
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Pamela Smart	Getty Foundation Supplemental Funding: Indian Ocean Exchanges	Getty Foundation	100%	\$28,999	3/1/2023	2/29/2024
<i>Total # Credited</i>				<i>2.00</i>		
<i>Total \$ Credited</i>				<i>\$38,970</i>		

020 Arts and Sciences Dean

Yuxin Wang	GCR: Flexible and Low Cost Lead-Free Perovskite Solar Cells	National Science Foundation	15%	\$540,000	9/1/2023	8/31/2028
<i>Total # Credited</i>				<i>0.15</i>		
<i>Total \$ Credited</i>				<i>\$540,000</i>		

020 Biological Sciences

Claudia Marques	Mechanisms of Survival of P. aeruginosa Persister Cells to Innate Immune Response and Macrophage Killing	National Institute of Allergy & Infectious Disease	100%	\$431,750	4/1/2023	3/31/2025
Claudia Marques	R01 Renewal: Engineering a Small Intestinal Microbiome to Evaluate Food Additive Exposure	National Institutes of Health	50%	\$1,912,963	7/1/2023	6/30/2028
Heather Fiumera	Effect of Mitochondrial-nuclear Communication on Cellular Processes Associated With Cellular Lifespan	Virginia Commonwealth University	100%	\$79,899	9/1/2023	8/31/2025
Karin Sauer	MRI: Track 1 Acquisition of an Illumina NextSeq 2000 for High-Throughput Biomolecular Research	National Science Foundation	20%	\$95,033	10/1/2023	9/30/2026
Kirsten Prior	CAREER: Altered Community Interactions Under Anthropogenic-driven Range Expansions: A Biogeographical Approach to Test Mechanisms in a Multitrophic Community	National Science Foundation	100%	\$1,041,364	2/1/2023	1/31/2028
Laura Cook	The gut microbiota as a link between alcohol and pain sensitivity	National Institute for Alcohol Abuse & Alcoholism	50%	\$908,322	12/1/2023	11/30/2028

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Laura Cook	Community-wide Biofilm Interactions Across Systems	National Institute of General Medical Sciences	100%	\$1,894,100	7/1/2023	6/30/2028
Laura Musselman	MCA: Regulation of midgut structure and lipid metabolism by a novel acyltransferase gene family in Drosophila	Marquette University	100%	\$52,446	1/1/2024	12/31/2026
Michelle Withers	Resubmission: Collaborative Research: A Developmental Model to Understand the Process of Instructor Implementation of Evidence-Based Teaching Practices	National Science Foundation	100%	\$66,255	1/1/2023	12/31/2025
Michelle Withers	NRT: EMERGE: Training next generation applied social scientists through authentic complex systems research	National Science Foundation	11%	\$329,956	6/1/2023	5/31/2028
Peter McKenney	Sensor on Wheels (SOW): A Field-Deployable Environmental Pathogen Detection Tool	Environmental Protection Agency	20%	\$15,000	9/1/2023	8/31/2025
Peter McKenney	R03: Contact-dependent suppression of Clostridioides difficile sporulation by enterococci	National Institute of Allergy & Infectious Disease	100%	\$157,000	9/1/2023	8/31/2025
Thomas Powell	CAREER: Seasonal Adaptation and the Maintenance of Standing Genetic Variation: How Geography, Ecology, and Climate Interact to Shape the Capacity for Rapid Evolution	National Science Foundation	100%	\$1,050,031	7/1/2023	6/30/2028
<i>Total # Credited</i>				<i>9.51</i>		
<i>Total \$ Credited</i>				<i>\$8,034,119</i>		

020 Biomedical Engineering

Ahyeon Koh	R35: Artificial Extracellular Matrix Bioelectronics (e-ECM) for Wound Management	National Institutes of Health	100%	\$1,894,100	7/1/2023	6/30/2028
Ahyeon Koh	Collaborative Research: Wearable, Situation-aware Respiratory Health Monitoring	National Science Foundation	50%	\$199,596	2/1/2023	1/31/2026
Ahyeon Koh	CAREER: Artificial Extracellular Matrix Biosensors (e-ECM)	National Science Foundation	100%	\$500,120	1/1/2023	12/31/2027

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Ahyeon Koh	R21: Mask-integrated Respiratory Health Monitoring	National Institutes of Health	50%	\$213,243	4/1/2023	3/31/2025
Ahyeon Koh	R21: Soft Fibrous Multiplexed Biosensing System for Negative Pressure Wound Therapy	National Institutes of Health	100%	\$650,243	12/1/2023	11/30/2026
Fake Lu	Establishing near-UV SRS for highly sensitive bioimaging	National Institutes of Health	60%	\$355,938	12/1/2023	11/30/2026
Fake Lu	Career: NUV-CRS imaging for digital pathology and diagnosis of brain tumors	National Science Foundation	100%	\$500,000	2/1/2023	1/31/2028
Gretchen Mahler	AHA Fellowship: Fatemeh (Yoona) Salemizadehparizi	American Heart Association Incorporated	100%	\$65,106	1/1/2023	12/31/2024
Gretchen Mahler	AHA Fellowship: Haleema Qamar	American Heart Association Incorporated	100%	\$32,553	1/1/2023	12/31/2023
Gretchen Mahler	AHA Fellowship: Biomechanical cues epigenetically contribute to CHD development.	American Heart Association Incorporated	100%	\$65,106	1/1/2023	12/31/2024
Gretchen Mahler	R01 Renewal: Engineering a Small Intestinal Microbiome to Evaluate Food Additive Exposure	National Institutes of Health	50%	\$1,912,963	7/1/2023	6/30/2028
Gretchen Mahler	MRI: Track 1 Acquisition of an Illumina NextSeq 2000 for High-Throughput Biomolecular Research	National Science Foundation	20%	\$95,033	10/1/2023	9/30/2026
Guy German	R01:Measuring and mapping the multiscale anisotropy of human brain white matter	National Institutes of Health	40%	\$560,769	7/1/2023	6/30/2027
Kaiming Ye	MRI: Track 1 Acquisition of A Cryo Electron Microscope (Cryo-EM) for Life Science Research and Training at SUNY Binghamton	National Science Foundation	50%	\$686,903	8/1/2023	7/31/2026
Kaiming Ye	NSF Engines Type 1 proposal (Upstate Medical Center)	Upstate Medical University Foundation	100%	\$85,485	1/1/2023	12/31/2024

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Kaiming Ye	Synergistic Regulation of Signaling Pathways for Functional Islet Organogenesis	National Science Foundation	50%	\$222,791	10/1/2023	9/30/2026
Kaiming Ye	R13: New GORDON RESEARCH CONFERENCE: Advanced Cell and Tissue Biomanufacturing: Technology Development and Innovation through Convergence	National Institutes of Health	100%	\$36,000	4/1/2023	3/31/2024
Kaiming Ye	NIST Professional Research Experience Program (PREP) Partnership	Johns Hopkins University	100%	\$6,640,587	12/1/2022	11/30/2027
Kaiming Ye	Converting Food Waste into Ecofriendly Medical Materials: Turn Waste to Treasure	National Science Foundation	50%	\$210,000	9/1/2023	8/31/2026
Sha Jin	Converting Food Waste into Ecofriendly Medical Materials: Turn Waste to Treasure	National Science Foundation	50%	\$210,000	9/1/2023	8/31/2026
Sha Jin	Synergistic Regulation of Signaling Pathways for Functional Islet Organogenesis	National Science Foundation	50%	\$222,791	10/1/2023	9/30/2026
Sha Jin	MRI: Track 1 Acquisition of A Cryo Electron Microscope (Cryo-EM) for Life Science Research and Training at SUNY Binghamton	National Science Foundation	50%	\$686,903	8/1/2023	7/31/2026
Tracy Hookway	CAREER: Bi-directional cellular interactions in engineered cardiac tissues	National Science Foundation	100%	\$500,000	6/1/2023	5/31/2028
Ying Wang	R21: Biofabrication of Hierarchical Vascular Networks with Microtube-Embedded Bioink for 3D Tissue Growth and Maturation	National Institutes of Health	50%	\$293,480	12/1/2023	11/30/2026
Yizeng Li	Cell Size Regulation and Cell Mechanosensation	Johns Hopkins University	100%	\$110,947	7/1/2023	6/30/2028
Yizeng Li	Collaborative Research: Analysis and computation on the competing intracellular morphology and the implication of mammalian cell polarization and migration	National Science Foundation	100%	\$292,447	7/1/2023	6/30/2026

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Yizeng Li	Transfer: CAREER: Impacts of Intracellular and Extracellular Hydraulic Environments on Mammalian Cell Migration in Confined Space	National Science Foundation	100%	\$492,742	9/1/2022	8/31/2026
Yuan Wan	Retrieval of Circulating Tumor Cells with Recombinant Adenoviruses for Liquid Biopsy of Lung Cancer	Department of Defense (CDMRP)	100%	\$941,609	4/1/2023	3/31/2026
Yuan Wan	Retrieval of Circulating Tumor Cells with Recombinant Adenoviruses for Liquid Biopsy of Breast Cancer	US Army Research Office	100%	\$1,082,994	4/1/2023	3/31/2026
<i>Total # Credited</i>				<i>22.20</i>		
<i>Total \$ Credited</i>				<i>\$19,760,448</i>		

020 CCPA Deans Office

Elizabeth Anderson	NYSED C/W Community Schools Technical Assistance Center	NYS Education Department	25%	\$489,056	7/1/2023	6/30/2028
Laura Bronstein	New York University-Assisted Community Schools Statewide Initiative	US Department of Education	25%	\$9,140,721	1/1/2023	12/31/2027
LuAnn Kida	Rural Mental Health in Schools Expansion Initiative	US Department of Education	30%	\$1,667,506	1/1/2023	12/31/2027
LuAnn Kida	BT BOCES Agreement	Broome Tioga BOCES	100%	\$69,600	1/1/2023	12/31/2023
LuAnn Kida	NYSED C/W Community Schools Technical Assistance Center	NYS Education Department	25%	\$489,056	7/1/2023	6/30/2028
LuAnn Kida	New York University-Assisted Community Schools Statewide Initiative	US Department of Education	25%	\$9,140,721	1/1/2023	12/31/2027
Naorah Rimkunas	NYSED C/W Community Schools Technical Assistance Center	NYS Education Department	50%	\$978,113	7/1/2023	6/30/2028

Proposal PI	Title	Sponsor Name	% Credited to PI	\$ Credited	Requested Start Date	Requested End Date
			Total # Credited	2.80		
			Total \$ Credited	\$21,974,773		
020 CCPA Human Development						
Chandiren Valayden	Anti-democratic Culture and the Rhetoric of Participation across Physical and Virtual Worlds	National Endowment for the Humanities	50%	\$75,000	1/1/2024	12/31/2025
			Total # Credited	0.50		
			Total \$ Credited	\$75,000		
020 CCPA Public Administration						
George Homsy	Redesigning environmental studies core curriculum to educate 21st century professionals	National Science Foundation	25%	\$99,974	9/1/2023	8/31/2026
Pamela Mischen	NRT: EMERGE: Training next generation applied social scientists through authentic complex systems research	National Science Foundation	11%	\$329,956	6/1/2023	5/31/2028
Pamela Mischen	Collaborative Research: GCR: Using Convergent Modeling to Enhance Online Collective Action for Sustainable Offline Communities	National Science Foundation	14%	\$255,628	9/1/2023	8/31/2028
			Total # Credited	0.50		
			Total \$ Credited	\$685,558		
020 CCPA Social Work						
Kun Wang	Research Infrastructure for study of Alzheimer's Disease and Alzheimer's Disease-related dementias in older Asian Americans	Icahn School of Medicine at Mount Sinai	100%	\$32,331	7/1/2023	6/30/2028
Suk-Young Kang	Exploring the interactions between robotic companion pets and community-dwelling older women	Borchard Center on Law and Aging	100%	\$20,000	1/1/2023	12/31/2023
			Total # Credited	2.00		
			Total \$ Credited	\$52,331		

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020 CCPA Student Affairs

John Zilvinskis	Validating New Higher Education Disability Survey Items	Institute of Education Sciences	100%	\$2,000,000	7/1/2023	6/30/2027
				Total # Credited	1.00	
				Total \$ Credited	\$2,000,000	

020 CCPA Teaching Learning Educ Leadership

Amber Simpson	Collaborative Research: Student Ways of Thinking in STEM Learning Environments	National Science Foundation	100%	\$102,665	8/16/2023	8/15/2026
Amber Simpson	Engaging the Public: Authentic and Community-Oriented Critical Math Projects	National Science Foundation	95%	\$2,205,342	8/1/2023	7/31/2028
Elizabeth Anderson	New York University-Assisted Community Schools Statewide Initiative	US Department of Education	25%	\$9,140,721	1/1/2023	12/31/2027
Naorah Rimkunas	New York University-Assisted Community Schools Statewide Initiative	US Department of Education	25%	\$9,140,721	1/1/2023	12/31/2027
Naorah Rimkunas	Rural Mental Health in Schools Expansion Initiative	US Department of Education	70%	\$3,890,848	1/1/2023	12/31/2027
Nicole Fenty	STEM INNOVATION GRANT	Colocation America	100%	\$7,500	9/1/2022	8/31/2023
				Total # Credited	4.15	
				Total \$ Credited	\$24,487,797	

020 Chemistry

Brian Callahan	R21: Discovery and anti-tumor activity of the first antagonists targeting human Sonic Hedgehog autoprocessing	National Cancer Institute	100%	\$427,190	7/1/2023	6/30/2025
Brian Callahan	Hedgehog autoprocessing: molecular mechanisms and drug discovery	Rensselaer Polytechnic Institute	100%	\$1,309,550	7/1/2023	6/30/2028

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Christof Grewer	Substrate Specificity Determinants in Nutrient Solute Carrier Transporters	Icahn School of Medicine at Mount Sinai	100%	\$671,455	5/1/2023	4/30/2028
Chuan Jian Zhong	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	32%	\$5,759,999	7/1/2023	6/30/2029
Chuan Jian Zhong	MRI: Acquisition of Electron Energy Loss Spectroscopy for and Materials Science and Life Science Research	National Science Foundation	10%	\$99,900	8/1/2022	7/31/2025
Eriks Rozners	Illuminating cancer metabolism with fluorescent biosensors	Chan Zuckerberg Science Initiative	100%	\$482,948	3/1/2023	2/28/2026
Eriks Rozners	R35 Renewal: Chemical Approaches to Control the Function of Regulatory RNAs	National Institutes of Health	100%	\$2,222,155	2/1/2024	1/31/2029
Eriks Rozners	MRI: Track 1 Acquisition of an Illumina NextSeq 2000 for High-Throughput Biomolecular Research	National Science Foundation	20%	\$95,033	10/1/2023	9/30/2026
Hao Liu	Advanced Electrolytes to Enable Lithium-metal Anodes for use in EV Batteries	New Dominion Enterprises	100%	\$66,000	4/15/2023	4/14/2024
Hao Liu	Novel Lithium Metal Anode Batteries	New Dominion Enterprises	100%	\$47,400	8/1/2023	10/31/2023
Hao Liu	Achieving Elevated Energy Density Batteries Using Lithium-metal Anodes and Inorganic Liquid Electrolytes	New Dominion Enterprises	100%	\$25,000	10/24/2022	1/23/2023
Hao Liu	Salt Level and Carbonates Speciation Optimization with Phospholyte	New Dominion Enterprises	100%	\$25,000	10/24/2022	1/23/2023
Hao Liu	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	14%	\$2,520,000	7/1/2023	6/30/2029
Huiyuan Guo	CAREER: From the mother to the offspring: nanoplastic transfer and toxicity in aquatic species	National Science Foundation	100%	\$672,381	2/1/2023	1/31/2028

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Huiyuan Guo	Track pesticide spray efficacy and drift using an agricultural residue-derived nanosensor	USDA Agricultural Research Service	100%	\$649,999	5/1/2023	4/30/2027
Huiyuan Guo	Sensor on Wheels (SOW): A Field-Deployable Environmental Pathogen Detection Tool	Environmental Protection Agency	80%	\$60,000	9/1/2023	8/31/2025
Jennifer Hirschi	Transition State Analysis of alpha-Ketol Rearrangements in Organic and Enzymatic Reactions	National Science Foundation	100%	\$24,198	8/1/2023	7/31/2026
Jiahui Wu	R21: Illuminating cancer metabolism with fluorogenic ribonucleoprotein-based biosensors	National Institutes of Health	100%	\$607,480	7/1/2023	6/30/2026
Jiye Fang	Development of CeO2 Facet-Supported Single-Atom Catalysts for Direct Conversion of Syngas to High-Value Hydrocarbons	American Chemical Society	100%	\$110,000	9/1/2023	8/31/2025
Jiye Fang	Perovskite Powered Hydrogen Production Using Low Cost and Earth Abundant Catalysts	US Department of Energy	40%	\$400,000	8/1/2023	7/31/2026
Jiye Fang	Design, Synthesis, and Understanding of Advanced Electrocatalysts for Green Hydrogen Production and Utilization	US Department of Energy	100%	\$4,266,151	10/1/2022	9/30/2025
Jiye Fang	Study on Surface Instability, Revivification, and Lattice Impact for Promoting Durability of Water Oxidation Catalysts	National Science Foundation	100%	\$499,968	8/1/2023	7/31/2026
Jiye Fang	Understanding of Surface Deactivation and Healing Process of Water Oxidation Catalysts for Durability Improvement	National Science Foundation	100%	\$499,968	8/1/2023	7/31/2026
John Swierk	Sloan Research Fellowship	Alfred P Sloan Foundation	100%	\$75,000	9/15/2023	9/14/2025
John Swierk	Camille Dreyfus Teacher-Scholar Awards Program- John Swierk	Camille and Henry Dreyfus Foundation Incorporated	100%	\$100,000	7/1/2023	6/30/2028
John Swierk	Design of uranyl photocatalysts for acceptorless oxidative transformations	National Institute of General Medical Sciences	100%	\$1,913,567	7/1/2023	6/30/2028

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Julien Panetier	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Julien Panetier	R35: Computational Modeling of Carbon Monoxide Dehydrogenase Model Systems for Carbon Dioxide Fixation	National Institute of General Medical Sciences	100%	\$1,859,900	7/1/2023	6/30/2028
Julien Panetier	CAREER: Computational Modeling of Carbon Monoxide Dehydrogenase Model Systems for Carbon Dioxide Fixation	National Science Foundation	100%	\$705,450	9/1/2023	8/31/2028
M Stanley Whittingham	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	5%	\$900,000	7/1/2023	6/30/2029
M Stanley Whittingham	MRI: Acquisition of Electron Energy Loss Spectroscopy for and Materials Science and Life Science Research	National Science Foundation	10%	\$99,900	8/1/2022	7/31/2025
M Stanley Whittingham	Surface modification of low cost advanced 3D anodes for lithium metal batteries	LiBAMA Limited Liability Corporation	100%	\$62,500	7/1/2023	3/31/2024
M Stanley Whittingham	NSF SBIR/STTR Phase I: Scalable advanced 3D anodes for rechargeable lithium metal batteries	LiBAMA Limited Liability Corporation	100%	\$82,500	4/1/2023	3/31/2024
M Stanley Whittingham	Smart Green Gigamachine: Expanding Existing Li-ion Cell Gigafactory to 5 GWh with minimum 70% Domestic Supply Chain at Imperium3 New York	Charge CCCV	100%	\$2,500,001	9/1/2022	8/31/2027
M Stanley Whittingham	Roll-to-roll substrate manufacturing development of the advanced metal anode for next generation lithium batteries	FuzeHub	100%	\$50,000	1/1/2023	12/31/2023
Nikolay Dimitrov	CHIRP: Corrosion of Sintered Cu and Ag Interconnects - Assessment and Prevention	Purdue University	100%	\$149,997	1/1/2023	12/31/2025
Nikolay Dimitrov	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Puja Goyal	R35: Computational studies of natural and engineered photoreceptors	National Institutes of Health	100%	\$1,813,620	7/1/2023	6/30/2028

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Wei Qiang	R21: Structural Basis of Cross-Seeding Between PTM and wild-type Abeta Variants	National Institutes of Health	100%	\$429,470	6/1/2023	5/31/2025
Wei Qiang	R01: Molecular Structural Basis of Non-specific Neuronal Membrane Disruption Induced by Early-Stage Beta-Amyloid Peptide Aggregation	National Institutes of Health	100%	\$1,896,522	8/1/2023	7/31/2028
<i>Total # Credited</i>				<i>32.17</i>		
<i>Total \$ Credited</i>				<i>\$35,260,202</i>		

020 Computer Science

Guanhua Yan	MRI: Track 2 Development of an Integrated Terahertz Quantum Secured Edge Network Testbed	National Science Foundation	18%	\$462,490	9/1/2023	8/31/2026
Guanhua Yan	Real-Time Detection of Advanced Malware Attacks with Ensembles of Graph Neural Networks	SUNY Central Administration	100%	\$100,000	1/1/2022	12/31/2022
Hoda Naghibijouybari	Student Travel Support for the 8th Career Workshop for Inclusion and Diversity in Computer Architecture (CWIDCA), Chicago, Illinois, USA, October 2022	National Science Foundation	100%	\$16,000	10/2/2022	10/1/2023
Hoda Naghibijouybari	Collaborative Research: SaTC: Core: Small: Understanding and mitigating microarchitectural attacks on Multi-GPU systems	National Science Foundation	100%	\$299,999	4/1/2023	3/31/2026
Hui Lu	CAREER: Rethinking Virtualization in Cloud-Native Systems	National Science Foundation	100%	\$500,000	3/1/2023	2/29/2028
Hui Lu	Collaborative Research: CCF Core: Medium: Operating System Support for Persistence and Crash-consistency in Non-volatile Memories	National Science Foundation	100%	\$399,999	9/1/2023	8/31/2027
Jeremy Blackburn	Collaborative Research: SaTC: TTP: Medium: iDRAMA.cloud: A Platform for Measuring and Understanding Information Manipulation	National Science Foundation	100%	\$674,999	1/1/2023	12/31/2026

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Jeremy Blackburn	NRT: EMERGE: Training next generation applied social scientists through authentic complex systems research	National Science Foundation	11%	\$329,956	6/1/2023	5/31/2028
Jeremy Blackburn	Collaborative Research: GCR: Using Convergent Modeling to Enhance Online Collective Action for Sustainable Offline Communities	National Science Foundation	14%	\$255,628	9/1/2023	8/31/2028
Jeremy Blackburn	Collaborative Research: SaTC: Core: Medium: Towards the Adaptive and Context Aware Moderation of Toxic Content	National Science Foundation	100%	\$499,858	1/1/2023	12/31/2026
Kanad Ghose	NSF 22-589 CoHeSion: Co-design across heterogeneous architectures, devices and integration technologies	University of Massachusetts Amherst	100%	\$85,000	3/1/2023	2/28/2025
Kenneth Chiu	Continuation: Performance Measurement, analysis, and Tuning of Seismic and Machine Learning Workloads	TOTALenergies E&P Research & Technology USA, LLC	100%	\$129,999	11/1/2022	10/31/2023
Kenneth Chiu	NSF Engines: New Collar Collider- Connecting Blue and White Collar Workers to Get AI Tech out of Labs and into Manufacturers in Upstate New York	TBD	100%	\$100,000	1/1/2023	12/31/2024
Kenneth Chiu	Engaging the Public: Authentic and Community-Oriented Critical Math Projects	National Science Foundation	5%	\$116,071	8/1/2023	7/31/2028
Kenneth Chiu	Establishing near-UV SRS for highly sensitive bioimaging	National Institutes of Health	20%	\$118,646	12/1/2023	11/30/2026
Lijun Yin	Machine learning based multimodal medical information disentanglement for prediction, diagnosis, and evaluation	Massachusetts General Hospital	100%	\$90,050	6/1/2023	5/31/2026
Lijun Yin	Collaborative Research: CCRI: Grand: A Large-Scale Multimodal Human Social Interaction Data Warehouse	National Science Foundation	70%	\$1,298,807	9/1/2022	8/31/2027
Shiqi Zhang	CAREER: Grounded Robot Planning with Common Sense for Efficient and Feasible Behaviors in Open Worlds	National Science Foundation	100%	\$544,741	6/1/2023	5/31/2028

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Weiyi Meng	Collaborative Research: III:Medium:Streaming Named Entity Recognition Architecture for Microblogs	National Science Foundation	100%	\$499,999	7/1/2023	6/30/2027
Weiyi Dai	Prediction and retrieval of human cortical folding patterns	National Institutes of Health	50%	\$195,925	7/1/2023	6/30/2025
Weiyi Dai	R01: The Effect of Meditation on Neurocognitive Aging	National Institute on Aging	100%	\$1,301,183	7/1/2023	6/30/2026
Yifan Zhang	REU Supplement to CAREER: Enabling Edge-hosted Private Services via Unikernel-based Lightweight Virtualization	National Science Foundation	100%	\$16,000	6/1/2023	5/31/2024
Zeyu Ding	Collaborative Research: SaTC: CORE: Medium: Differentially Private SQL with flexible privacy modeling, machine-checked system design, and accuracy optimization	National Science Foundation	100%	\$335,584	9/1/2023	8/31/2027
<i>Total # Credited</i>				<i>17.88</i>		
<i>Total \$ Credited</i>				<i>\$8,370,934</i>		

020 Decker/Physical Therapy

Gurpreet Singh	Effects of Rock Steady Boxing training delivered through Tele rehab on motor and non-motor components of Parkinson's Disease	American Physical Therapy Association	100%	\$10,000	7/15/2023	7/14/2024
Vipul Lugade	Identifying Motor and Cognitive Deficits in Response to Takeover Requests During Conditional Driving Automation Among Drivers with Mild Traumatic Brain Injury	National Inst of Neurological Disorders & Stroke	40%	\$163,124	12/1/2023	11/30/2025
Vipul Lugade	A comparison of motor and cognitive performance in a driving simulator among young adults following mTBI	Sony Corporation	50%	\$50,000	1/1/2022	12/31/2022
Vipul Lugade	Tele-rehabilitation for mTBI	US Air Force Research Laboratory	100%	\$157,000	10/1/2022	9/30/2024

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
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Total # Credited **2.90**

Total \$ Credited **\$380,124**

020 Decker/School of Nursing

Joyce Rhodes-Keefe	Virtual Reality Simulation to Foster Empathy in Nursing Students	University of California at Davis	10%	\$45,000	7/1/2023	6/30/2026
Lori Sprague	Virtual Reality Simulation to Foster Empathy in Nursing Students	University of California at Davis	10%	\$45,000	7/1/2023	6/30/2026
Nannette Cowen	Impact of Metformin on Vitamin B1 Utilization in Type 2 Diabetes	National Institutes of Health	40%	\$235,500	7/1/2023	6/30/2026
Patrick Leiby	Virtual Reality Simulation to Foster Empathy in Nursing Students	University of California at Davis	10%	\$45,000	7/1/2023	6/30/2026
Rosemary Collier	Virtual Reality Simulation to Foster Empathy in Nursing Students	University of California at Davis	70%	\$315,000	7/1/2023	6/30/2026

Total # Credited **1.40**

Total \$ Credited **\$685,500**

020 Decker/Speech Language Pathology

Dawna Duff	Contextual Word Learning in Children with DLD	National Inst on Deafness & Other Comm Disorders	100%	\$597,075	7/1/2023	6/30/2026
Dawna Duff	Word Learning in Reading and Language Impairment Subgroups	University of South Carolina	100%	\$413,076	7/1/2022	6/30/2023

Total # Credited **2.00**

Total \$ Credited **\$1,010,151**

020 Economics

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Andreas Pape	NRT: EMERGE: Training next generation applied social scientists through authentic complex systems research	National Science Foundation	12%	\$359,952	6/1/2023	5/31/2028
Andreas Pape	Collaborative Research: GCR: Using Convergent Modeling to Enhance Online Collective Action for Sustainable Offline Communities	National Science Foundation	18%	\$328,665	9/1/2023	8/31/2028
Zili Yang	Investigating the Analytical Properties of Environmental Coalitions --- A Computational Approach through the RICE2020 model	National Science Foundation	100%	\$227,141	3/1/2023	2/28/2025
<i>Total # Credited</i>				<i>1.30</i>		
<i>Total \$ Credited</i>				<i>\$915,758</i>		

020 Electrical and Computer Engineering

David Klotzkin	MRI: Track 2 Development of an Integrated Terahertz Quantum Secured Edge Network Testbed	National Science Foundation	18%	\$462,490	9/1/2023	8/31/2026
Jian Li	CAREER: Structured Learning and Optimization for Efficient Resource Management in the Wireless Edge Cloud: Theory and Algorithms	National Science Foundation	100%	\$535,669	6/1/2023	5/31/2028
Jian Li	Collaborative Research: SaTC: Core: Medium: Critical Learning Periods Augmented Robust Federated Learning	National Science Foundation	100%	\$400,000	10/1/2023	9/30/2027
Mengen Wang	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Mengen Wang	GCR: Flexible and Low Cost Lead-Free Perovskite Solar Cells	National Science Foundation	15%	\$540,000	9/1/2023	8/31/2028
Pritam Das	Modular, Scalable, Field configurable, Intelligent Energy storage module with Cell Converter using wide format Prismatic cells	Mallika Ashwin Maya	100%	\$66,600	7/1/2023	6/30/2024
Pritam Das	CAREER: Multi-level Bridge Tapped Resonant (MBTR) Solid-State Transformers (SSTs)	National Science Foundation	100%	\$537,959	2/1/2023	1/31/2028

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Seokheun Choi	Fully Integrated Self-Sustainable Remote Capsule Platform for Astronauts' Healthcare	NASA Headquarters	100%	\$75,000	2/1/2023	1/31/2024
Seokheun Choi	An Ingestible Biobattery for Continuous Power Generation in the Small Intestine	National Science Foundation	100%	\$450,000	6/1/2023	5/31/2026
Seokheun Choi	Stepping Toward Disposable Electronics: Integrated Papertronic Techniques	National Science Foundation	100%	\$450,000	6/1/2023	5/31/2026
Seokheun Choi	Electrochemically Active Bio-Electrodes with Artificial Microbial Consortia for Environmental Remediation and Sustainable Bioenergy Production	National Science Foundation	100%	\$550,648	6/1/2023	5/31/2026
Seokheun Choi	In Vitro Polymicrobial Biofilm Models with Real-Time Electrical Monitoring	National Institute of General Medical Sciences	100%	\$1,358,280	7/1/2023	6/30/2027
Tara Dhakal	NYSTAR Matching Grants Program: Perovskite Hydrogen Production	Empire State Development Corp	100%	\$191,084	8/1/2023	7/31/2026
Tara Dhakal	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Tara Dhakal	GCR: Flexible and Low Cost Lead-Free Perovskite Solar Cells	National Science Foundation	25%	\$900,000	9/1/2023	8/31/2028
Tara Dhakal	Perovskite Powered Hydrogen Production Using Low Cost and Earth Abundant Catalysts	US Department of Energy	60%	\$600,000	8/1/2023	7/31/2026
Wenfeng Zhao	CAREER: IMC-INC: In Memory Computing for Implantable Neural Computing	National Science Foundation	100%	\$499,998	4/1/2023	3/31/2028
Wenfeng Zhao	MRI: Track 2 Development of an Integrated Terahertz Quantum Secured Edge Network Testbed	National Science Foundation	18%	\$462,490	9/1/2023	8/31/2026
Xiaohua Li	MRI: Track 2 Development of an Integrated Terahertz Quantum Secured Edge Network Testbed	National Science Foundation	18%	\$462,490	9/1/2023	8/31/2026

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Yu Chen	Collaborative Research: SaTC: Core: Medium: Understanding and Preserving Human-Centric Visual Privacy for the Drone Age	National Science Foundation	100%	\$334,575	6/1/2023	5/31/2026
Yu Chen	MRI: Track 2 Development of an Integrated Terahertz Quantum Secured Edge Network Testbed	National Science Foundation	30%	\$792,840	9/1/2023	8/31/2026
Ziang Zhang	Energy Storage Systems Planning for Medium-Voltage Systems	New York State Energy Research and Development Authority	100%	\$400,000	6/1/2023	5/31/2025
			<i>Total # Credited</i>	<i>14.89</i>		
			<i>Total \$ Credited</i>	<i>\$11,150,123</i>		

020 English

Alexandra Moore	Anti-democratic Culture and the Rhetoric of Participation across Physical and Virtual Worlds	National Endowment for the Humanities	50%	\$75,000	1/1/2024	12/31/2025
			<i>Total # Credited</i>	<i>0.50</i>		
			<i>Total \$ Credited</i>	<i>\$75,000</i>		

020 Entrepreneurship and Innovation Partnership

Michele Francisco	TAAC FY2022	US Department of Commerce	100%	\$957,950	5/1/2023	4/30/2024
Olga Petrova	Targeted Bioplastic Polyhydroxyalkanoate Copolymers from Agro-Waste as Barrier Coatings in Fiber-Based Food Packaging Applications	FuzeHub	100%	\$50,000	1/1/2023	12/31/2023
Olga Petrova	Entrepreneurship & Acceleration for ClimateTech NY (EnACT NY).	New York State Energy Research and Development Authority	50%	\$4,250,000	7/3/2023	7/2/2026
Olga Petrova	FuzeHub: Increasing Thin Flexible Fuel Cell Manufacturing Throughput by Integrated Array	FuzeHub	100%	\$50,000	6/1/2023	5/31/2024

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Per Stromhaug	NENY XCEED Innovation Workforce	Appalachian Regional Commission	100%	\$250,000	1/1/2023	6/30/2024
Per Stromhaug	Entrepreneurship & Acceleration for ClimateTech NY (EnACT NY).	New York State Energy Research and Development Authority	50%	\$4,250,000	7/3/2023	7/2/2026
Per Stromhaug	NENY Technology Development Voucher Program	Appalachian Regional Commission	100%	\$250,000	1/1/2023	6/30/2024
Per Stromhaug	NENY Infrastructure Program	Appalachian Regional Commission	100%	\$250,000	1/1/2023	6/30/2024
Per Stromhaug	NENY Inclusive Innovation	Appalachian Regional Commission	100%	\$250,000	1/1/2023	6/30/2024
Per Stromhaug	NENY CleanConnect: Ecosystem Marketing and Catalyzation	Appalachian Regional Commission	100%	\$250,000	9/1/2022	8/31/2024
Per Stromhaug	NENY Supply Chain Manufacturing Readiness	Appalachian Regional Commission	100%	\$250,000	1/1/2023	6/30/2024
<i>Total # Credited</i>				<i>10.00</i>		
<i>Total \$ Credited</i>				<i>\$11,057,950</i>		

020 Geological Sci & Environmental Studies

Adriane Lam	Collaborative Research: Paleozoic echinoderms as model systems for the study of evolutionary modes	National Science Foundation	100%	\$107,971	7/1/2023	6/30/2026
Adriane Lam	Evolution of the South Atlantic Gyre and Surface Ocean Dynamics across the Miocene Climate Optimum and Mid-Miocene Climate Transition	Columbia University	100%	\$17,342	1/1/2023	12/31/2023
Molly Patterson	CLB Supplement for Award 2000997	National Science Foundation	100%	\$18,042	8/1/2022	7/31/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Molly Patterson	Collaborative Research: Investigating Southern Ocean sea surface temperatures and freshening during the Late Pliocene and Pleistocene along the Antarctic margin	National Science Foundation	100%	\$500,956	9/1/2023	8/31/2026
Sara Velardi	Redesigning environmental studies core curriculum to educate 21st century professionals	National Science Foundation	25%	\$99,974	9/1/2023	8/31/2026
Sara Velardi	Gene Editing in Agriculture	SUNY College of Env Sci and Forestry	100%	\$6,060	9/1/2022	8/31/2023
Timothy de Smet	Scope of Work for a Remote Sensing Recommendation Study, Bundschu Ridge (Incident WWII-0716-J), Guam (I-SB-2020-10451).	International Archaeological Research Institute	50%	\$34,161	9/1/2022	8/31/2023
Timothy Lowenstein	Climate ReOrganizations at Synoptic Scale as Recorded in the Offshore Archives of the Dead Sea - CROSSROADS	Helmholtz Zentrum Munchen	100%	\$21,120	9/1/2022	8/31/2024
<i>Total # Credited</i>				<i>6.75</i>		
<i>Total \$ Credited</i>				<i>\$805,625</i>		

020 History

Anne Bailey	Special History Study of the African American Families of Frederica	National Park Service	100%	\$64,725	8/1/2023	7/31/2024
Bradley Skopyk	Tools for Collaborative History: Collecting, Geolocating, and Visualizing Sickness and Health in Mexican History	National Endowment for the Humanities	100%	\$150,000	9/1/2023	5/31/2025
<i>Total # Credited</i>				<i>2.00</i>		
<i>Total \$ Credited</i>				<i>\$214,725</i>		

020 Library Administration

Matt Gallagher	Library Collections 2022-2023	NYS Education Department	100%	\$23,026	7/1/2022	6/30/2023
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<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
			Total # Credited	1.00		
			Total \$ Credited	\$23,026		
020 Library Services						
Curtis Kendrick	Collaborative Research: Cultural Competency Immersion Program in Academic Librarianship	Institute of Museum and Library Services	50%	\$125,000	8/1/2023	7/31/2026
Heather Parks	2022-2023 Conservation and Preservation Program Grant	NYS Education Department	100%	\$63,514	4/1/2022	3/31/2023
Nancy Abashian	Collaborative Research: Cultural Competency Immersion Program in Academic Librarianship	Institute of Museum and Library Services	50%	\$125,000	8/1/2023	7/31/2026
			Total # Credited	2.00		
			Total \$ Credited	\$313,513		
020 Mathematical Sciences						
Gang Zhou	Evolution equations in non-equilibrium statistical mechanics and chemotaxis	National Science Foundation	100%	\$165,369	7/1/2023	6/30/2026
Jonathan Williams	Topology of Smooth 4-manifolds and Morse 2-functions	National Science Foundation	100%	\$165,685	7/1/2023	6/30/2026
Mei-Hsiu Chen	Identifying Motor and Cognitive Deficits in Response to Takeover Requests During Conditional Driving Automation Among Drivers with Mild Traumatic Brain Injury	National Inst of Neurological Disorders & Stroke	20%	\$81,562	12/1/2023	11/30/2025
Rakhi Singh	Design and Analysis of Screening Experiments with Applications in Hyperparameter Optimization	National Science Foundation	100%	\$270,983	8/1/2023	7/31/2026
Rakhi Singh	Construction and analysis methods for screening experiments	Simons Foundation	100%	\$42,000	6/1/2023	5/31/2028
			Total # Credited	4.20		
			Total \$ Credited	\$725,599		

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
020 Mechanical Engineering						
Bahgat Sammakia	Hybrid of Direct to Chip Single Phase Liquid and Immersion Cooling for Ultra High- Power Chips and Server Powers	NVIDIA Corporation	100%	\$300,000	7/1/2023	6/30/2026
Bahgat Sammakia	Green Refrigerant Compact Hybrid System for Ultra-Efficient and Sustainable HPC Cooling	NVIDIA Corporation	100%	\$750,000	7/1/2023	6/30/2026
Bahgat Sammakia	Multi Jet Cooling for High TDP Using Standard Warm Water	Intel Corporation	100%	\$598,814	7/1/2023	6/30/2026
Bahgat Sammakia	Machine Learning-Based Server Thermal Transient Characterizations/Modeling and Feedback Controls	Google LLC	100%	\$100,000	10/14/2022	10/13/2023
Bahgat Sammakia	SPRINT Supplement Funding Request - Award # 1941181- Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	National Science Foundation	25%	\$12,500	1/1/2023	4/30/2023
Bahgat Sammakia	CHIRP: Experimental Characterization of Thermal Shadowing Effect and AI Driven Optimization of Boiling Enhancement Coatings for Single and Two-Phase Immersion Cooling	Purdue University	34%	\$50,999	1/1/2023	12/31/2025
Changhong Ke	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Changhong Ke	SPRINT Supplement Funding Request - Award # 1941181- Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	National Science Foundation	25%	\$12,500	1/1/2023	4/30/2023
Changhong Ke	Collaborative Research: Towards Tunable Nanomechanical Systems: Elucidating the Interfacial Mechanics in Twisted 2D Atomic Crystal Sheets	National Science Foundation	100%	\$392,139	7/15/2023	7/14/2026
Dehao Liu	R01:Measuring and mapping the multiscale anisotropy of human brain white matter	National Institutes of Health	10%	\$140,192	7/1/2023	6/30/2027

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Guangwen Zhou	MRI: Acquisition of Electron Energy Loss Spectroscopy for and Materials Science and Life Science Research	National Science Foundation	10%	\$99,900	8/1/2022	7/31/2025
Guangwen Zhou	Design, Synthesis, and Assembly of Biomimetic Materials with Novel Functionality	Pacific Northwest National Laboratory	100%	\$95,267	1/1/2023	9/30/2024
Guangwen Zhou	Atomistic mechanisms and dynamics of hydrogen-based reduction of iron ores	National Science Foundation	100%	\$349,694	5/1/2023	4/30/2026
Guangwen Zhou	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	14%	\$2,520,000	7/1/2023	6/30/2029
Junghyun Cho	Mechanistic Understanding of the Cu/Oxide Hybrid Bonding	SUNY Central Administration	100%	\$100,000	9/1/2022	8/31/2023
Kaiyan Yu	Ray-F2R-FL: Ray-based Functional Regression with Federated Learning	SUNY Central Administration	20%	\$20,000	1/1/2023	12/31/2023
Mirjalil Razaviaghjeh	CAREER: Multiscale Mechanics of Brain Folding in Health and Disease	National Science Foundation	100%	\$547,436	1/1/2023	12/31/2027
Mirjalil Razaviaghjeh	R01:Unraveling the Mechanics of Cortical Folding and Its Alteration in ASD	National Institutes of Health	100%	\$2,682,642	9/1/2023	8/31/2028
Mirjalil Razaviaghjeh	R01:Measuring and mapping the multiscale anisotropy of human brain white matter	National Institutes of Health	50%	\$700,962	7/1/2023	6/30/2027
Mirjalil Razaviaghjeh	Prediction and retrieval of human cortical folding patterns	National Institutes of Health	50%	\$195,925	7/1/2023	6/30/2025
Mohammad Younis	Tunable, Multi-Threshold, and Energy-Efficient Head Impact Micro Switches	National Science Foundation	100%	\$449,446	6/1/2023	5/31/2026
Mohammad Younis	Collaborative Research: Data-Driven Models to Identify Physical Features in Dynamic-Based Small-Scale Systems and Enable Novel Gas Sensing Approaches	National Science Foundation	100%	\$450,893	4/1/2023	3/31/2026

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Mohammad Younis	A miniaturized ultra-sensitive and selective breath ketone sensor employing novel nanomaterials and smart MEMS readout techniques for Type 1 diabetes and DKA warning	National Institutes of Health	100%	\$415,833	8/1/2023	7/31/2025
Pu Zhang	Collaborative Research: CDS&E: A symbolic artificial intelligence framework for discovering physically interpretable constitutive laws of soft functional composites	National Science Foundation	100%	\$297,504	5/1/2023	4/30/2026
Pu Zhang	CHIRP: Develop Stretchable and Highly Conductive Composites Based on Copper Nanofiber Scaffolds	Purdue University	100%	\$149,997	1/1/2023	12/31/2025
Ronald Miles	Collaborative Research: Creating a Self-Powered Triboelectric MEMS Microphone	National Science Foundation	50%	\$150,614	9/1/2023	8/31/2026
Scott Schiffres	ENERGETIC: Heterogeneous Integration for High Density System in Package Research	National Science Foundation	100%	\$100,000	1/18/2023	1/17/2025
Scott Schiffres	Direct Two-phase Jet Impingement Cooling with Topology Optimized Surface Engineering and Phase Separation using Additive Manufacturing	Purdue University	100%	\$946,404	7/1/2023	6/30/2026
Scott Schiffres	CHIRP: Experimental Characterization of Thermal Shadowing Effect and AI Driven Optimization of Boiling Enhancement Coatings for Single and Two-Phase Immersion Cooling	Purdue University	33%	\$49,499	1/1/2023	12/31/2025
Scott Schiffres	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	5%	\$900,000	7/1/2023	6/30/2029
Scott Schiffres	SBIR: Enhanced Cu Laser Additive Manufacturing through Innovative Powder Modification	ChromaNano Tech LLC	100%	\$91,407	10/1/2023	9/30/2024
Scott Schiffres	Chip-to-Air Loop Data Center Syphon	Advanced Cooling Technologies	100%	\$297,000	9/1/2023	8/31/2026

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Scott Schiffres	SPRINT Supplement Funding Request - Award # 1941181- Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	National Science Foundation	50%	\$25,000	1/1/2023	4/30/2023
Seungbae Park	Micro-bump Scaling	SUNY Central Administration	100%	\$100,001	9/1/2022	8/31/2023
Seungbae Park	Investigation of Warpage for 2.5D and Heterogeneously Integrated Package and Its Assemblies	Google LLC	100%	\$100,000	10/13/2022	10/12/2023
Seungbae Park	A Systematic Integration of Reflow and Dispensing Processes with PCB Assembly for Quality Enhancement	Koh Young Technology Incorporated	34%	\$42,500	1/1/2023	12/31/2023
Seungbae Park	Development of Closed-Loop Control and Optimization Modules of the Printed Circuit Board Assembly Processes in Surface Mount Technology	Koh Young Technology Incorporated	34%	\$51,000	1/1/2023	12/31/2023
Shahrzad Towfighian	Collaborative Research: Creating a Self-Powered Triboelectric MEMS Microphone	National Science Foundation	50%	\$150,614	9/1/2023	8/31/2026
Shahrzad Towfighian	Supplement: MEMS High Voltage Triboelectric Levitation: A Generactuator	National Science Foundation	100%	\$74,204	5/31/2023	5/30/2024
Srikanth Rangarajan	CHIRP: Experimental Characterization of Thermal Shadowing Effect and AI Driven Optimization of Boiling Enhancement Coatings for Single and Two-Phase Immersion Cooling	Purdue University	33%	\$49,499	1/1/2023	12/31/2025
Xin Yong	Collaborative Research: A study of the 3D fluid flow of beating eukaryotic flagella	National Science Foundation	100%	\$297,217	3/1/2023	2/28/2026
				Total # Credited	28.30	
				Total \$ Credited	\$15,397,600	

020 Pharmaceutical Sciences

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Aaron Beedle	Synergistic Combination Therapy for DMD	Muscular Dystrophy Association of America	40%	\$120,000	9/1/2023	8/31/2026
Aaron Beedle	Synergistic Combination Therapy for Duchenne Muscular Dystrophy	National Institutes of Health	30%	\$129,525	7/1/2023	6/30/2025
Eric Hoffman	Defining the mechanisms of action of efficacious steroidal drugs: anti-inflammatory and adrenal insufficiency pathways in DMD	Department of Defense (CDMRP)	10%	\$54,892	7/3/2023	7/2/2025
Eric Hoffman	R21: Clinical Trial Readiness for Monitoring Muscle Inflammation in Duchenne Muscular Dystrophy	National Institutes of Health	100%	\$431,929	7/1/2023	6/30/2025
Eric Hoffman	Does vamorolone eplerenone-like activity delay cardiac disease in DMD?	Department of Defense (CDMRP)	100%	\$1,582,031	7/1/2023	6/30/2026
Kanneboyina Nagaraju	Defining the mechanisms of action of efficacious steroidal drugs: anti-inflammatory and adrenal insufficiency pathways in DMD	Department of Defense (CDMRP)	10%	\$54,892	7/3/2023	7/2/2025
Katie Edwards	Synergistic Combination Therapy for DMD	Muscular Dystrophy Association of America	60%	\$180,000	9/1/2023	8/31/2026
Katie Edwards	Impact of Metformin on Vitamin B1 Utilization in Type 2 Diabetes	National Institutes of Health	60%	\$353,250	7/1/2023	6/30/2026
Katie Edwards	Synergistic Combination Therapy for Duchenne Muscular Dystrophy	National Institutes of Health	70%	\$302,225	7/1/2023	6/30/2025
Katie Edwards	FLIPOSspot: A quantitative assay platform to quantify cell-mediated immunity following vaccination or natural exposure to infectious disease	National Institutes of Health	100%	\$431,180	9/1/2023	8/31/2025
Katie Edwards	A bedside test to diagnose subclinical thiamine deficiency in infants	National Institutes of Health	100%	\$453,196	9/1/2023	8/31/2025
L. Nathan Tumey	Optimization of TLR7 ADCs for the Treatment of Cancer	Iksuda Therapeutics Limited	100%	\$447,568	9/1/2022	8/31/2024

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
L. Nathan Tumey	Targeted downregulation of KRAS as a novel therapeutic approach for aggressive ovarian cancer	Department of Defense (CDMRP)	30%	\$282,600	3/1/2023	2/28/2027
L. Nathan Tumey	Equipment supplement request - Legumain - LCMS	National Institute of General Medical Sciences	100%	\$246,658	3/1/2023	2/29/2024
L. Nathan Tumey	Equipment supplement request - Q295 - Bioaccord TOF LCMS	National Institute of General Medical Sciences	100%	\$250,000	3/1/2023	2/29/2024
L. Nathan Tumey	Childcare Supplement: Mitigating ADA Through Site-specific Conjugation Technology	National Institutes of Health	100%	\$7,500	12/8/2022	12/7/2025
L. Nathan Tumey	Establishing near-UV SRS for highly sensitive bioimaging	National Institutes of Health	20%	\$118,646	12/1/2023	11/30/2026
L. Nathan Tumey	Optimization of TLR7 ADCs for the Treatment of Cancer	Heidelberg Pharma Research GmbH	100%	\$447,568	12/1/2022	11/30/2024
Melissa Morales	Defining the ceramide pathway disturbance in dystrophin-deficiency (mouse and human), and treatment response in DMD patients treated with prednisone or vamorolone.	Foundation to Eradicate Duchenne	100%	\$68,585	1/1/2023	12/31/2023
Melissa Morales	Testing the efficacy of Deucravacitinib on inhibiting the type I interferon pathway in a mouse model of juvenile myositis	Harmony 4 Hope	100%	\$20,000	2/1/2023	1/31/2024
Melissa Morales	Defining the mechanisms of action of efficacious steroidal drugs: anti-inflammatory and adrenal insufficiency pathways in DMD	Department of Defense (CDMRP)	70%	\$384,245	7/3/2023	7/2/2025
Melissa Morales	Using myeloid-derived suppressor cells to block antigen specific immune response after gene therapy in DMD	Muscular Dystrophy Association of America	100%	\$200,000	11/1/2022	10/31/2024
Tao Zhang	Novel Formulation Technology to Enhance Oral Absorption of Water-insoluble Drugs	University of North Texas Health Science Center	100%	\$24,577	7/1/2022	6/30/2025
Tao Zhang	Understand Drug Distribution to Tissues to Advance Whole Body Pharmacokinetics	National Institute of General Medical Sciences	100%	\$1,928,300	1/1/2024	12/31/2028

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Tao Zhang	Application of IVIVE and PBPK to Predict Drug Secretion into Breast Milk	National Institutes of Health	100%	\$424,302	7/1/2023	6/30/2025
Tao Zhang	Broccoli sprouts derived exosomes as a natural nanomedicine improve the targeted delivery and therapeutic efficacy of bioactives against colon inflammation	University of Maine at Orono	100%	\$49,999	6/1/2023	5/31/2025
Tao Zhang	Harnessing gut microbiota to reduce inflammation using broccoli-sprout diets	University of Maine at Orono	100%	\$14,682	9/1/2022	8/31/2025
Tao Zhang	Characterizing the sources and functionality of bioactive microbial metabolites of glucosinolates impacting colonic inflammation	University of Maine at Orono	100%	\$235,500	12/1/2023	11/30/2028
Tracy Brooks	Cannabinoid mediated effects on vincristine efficacy and CIPN	National Cancer Institute	100%	\$431,750	1/1/2024	12/31/2025
Tracy Brooks	Targeted downregulation of KRAS as a novel therapeutic approach for aggressive ovarian cancer	Department of Defense (CDMRP)	70%	\$659,400	3/1/2023	2/28/2027
Yetrib Hathout	Defining the mechanisms of action of efficacious steroidal drugs: anti-inflammatory and adrenal insufficiency pathways in DMD	Department of Defense (CDMRP)	10%	\$54,892	7/3/2023	7/2/2025
Yuan Fang	Multi-omics analyses of lipidomics, proteomics, and mRNA profiles in Duchenne Muscular Dystrophy	Foundation to Eradicate Duchenne	100%	\$30,250	1/1/2023	12/31/2023
			<i>Total # Credited</i>	<i>24.80</i>		
			<i>Total \$ Credited</i>	<i>\$10,420,142</i>		

020 Philosophy

Maxim Pensky	Collaborative Research: GCR: Using Convergent Modeling to Enhance Online Collective Action for Sustainable Offline Communities	National Science Foundation	14%	\$255,628	9/1/2023	8/31/2028
			<i>Total # Credited</i>	<i>0.14</i>		
			<i>Total \$ Credited</i>	<i>\$255,628</i>		

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
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020 Physics

Ana Laura Elias	CAREER: Moir? Heterobilayers Prepared in a Single Chemical Vapor Deposition Reaction	National Science Foundation	100%	\$720,226	2/1/2023	1/31/2028
Jeffrey Mativetsky	R21: Mask-integrated Respiratory Health Monitoring	National Institutes of Health	50%	\$213,243	4/1/2023	3/31/2025
Manuel Smeu	Center FOR Chemical Electrodecarbonization (C-FORCE)	New York University	100%	\$749,995	9/1/2023	8/31/2028
Total # Credited				2.50		
Total \$ Credited				\$1,683,464		

020 Physics Applied Physics & Astronomy

Alexey Kolmogorov	NSF Collaborative: Ab Initio Engineering of Doped-Covalent-Bond Superconductors	National Science Foundation	50%	\$220,189	9/1/2023	8/31/2026
Ana Laura Elias	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Bonggu Shim	Time-resolved, wavelength-dependent high-order harmonic generation from exploding atomic clusters	US Air Force Office of Scientific Research	100%	\$477,285	5/15/2023	5/14/2026
Elena Margine	NSF Collaborative: Ab Initio Engineering of Doped-Covalent-Bond Superconductors	National Science Foundation	50%	\$220,189	9/1/2023	8/31/2026
Eric Cotts	CHIRP: Prediction of Failure Times during Current Stressing of SnBi-based solder joints as a function of Current Density, Solder Composition, Temperature, Solder Joint Height and Metallization Chemistry	Purdue University	100%	\$149,997	1/1/2023	12/31/2025
Jeffrey Mativetsky	Collaborative Research: Wearable, Situation-aware Respiratory Health Monitoring	National Science Foundation	50%	\$199,596	2/1/2023	1/31/2026

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Jeffrey Mativetsky	Universal Instruments Sponsored Research Agreement FP10153	Universal Instruments Corporation	100%	\$36,000	2/1/2022	1/31/2023
Manuel Smeu	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Manuel Smeu	GCR: Flexible and Low Cost Lead-Free Perovskite Solar Cells	National Science Foundation	15%	\$540,000	9/1/2023	8/31/2028
Pegor Aynajian	Visualizing emergent electronic states in correlated topological matter	National Science Foundation	100%	\$503,009	7/1/2023	6/30/2026
Wei-Cheng Lee	Collaborative Research: III: Medium: Improving Scalability and Generalizability of Machine Learning in Scientific Systems using Physics Guidance	National Science Foundation	100%	\$299,999	6/1/2023	5/31/2026
<i>Total # Credited</i>				6.71		
<i>Total \$ Credited</i>				\$3,726,264		

020 Political Science

Daniel Magleby	NRT: EMERGE: Training next generation applied social scientists through authentic complex systems research	National Science Foundation	11%	\$329,956	6/1/2023	5/31/2028
seden akcinaroglu	State Reliance on Private Military/Security Contractors and the Impact on International Rivalries	University of Maryland	100%	\$49,895	8/1/2023	7/31/2024
<i>Total # Credited</i>				1.11		
<i>Total \$ Credited</i>				\$379,851		

020 Psychology

Anushree Karkhanis	Developmental Exposure Alcohol Research Center - Main 1	National Institute for Alcohol Abuse & Alcoholism	30%	\$438,675	9/1/2024	8/31/2029
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<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Anushree Karkhanis	Developmental Exposure Alcohol Research Center - Main 5	National Institute for Alcohol Abuse & Alcoholism	25%	\$358,438	9/1/2024	8/31/2029
Anushree Karkhanis	Developmental Stress Effects on Pallidal Dopamine and Oxycodone Self-administration	National Institute on Drug Abuse	100%	\$423,770	7/1/2023	6/30/2025
Christina Balderrama-Durbin	Multi-site Efficacy Trial of An integrated Brief Alcohol and PTSD Intervention for Veterans in Primary Care	Veterans Health Research Institute of Central New York Incorporated	10%	\$45,389	9/1/2023	8/31/2028
Christopher Bishop	Further improvement and assessment of biological properties of alpha synuclein targeting neuroprotective dopamine agonist D-685	Wayne State University	100%	\$50,000	2/1/2023	1/31/2024
Christopher Bishop	RESUB: F31: Fellowship Support for Ashley Centner: Ectopic Autoregulation of Raphestriatal Dopamine Release in L-DOPA-induced Dyskinesia	National Inst of Neurological Disorders & Stroke	100%	\$65,504	7/1/2023	6/30/2025
Christopher Bishop	F31: Fellowship Support for Ashley Centner: Ectopic Autoregulation of Raphestriatal Dopamine Release in L-DOPA-induced Dyskinesia	National Inst of Neurological Disorders & Stroke	100%	\$65,504	4/1/2023	3/31/2025
Christopher Bishop	Resubmission: BDNF rs6265 Variant and Suboptimal Levodopa Response	Michigan State University	100%	\$562,418	7/1/2023	6/30/2028
Christopher Bishop	Pilot Study With CSTI-200 to Test Efficacy Against L-DOPA-induced Dyskinesia in a Rat Model of Parkinson's Disease	Consynance	100%	\$1,095	12/1/2022	11/30/2023
Christopher Bishop	Maladaptive 5-HT Raphe-Corticolimbic Plasticity Underlying the Development of Non-motor Behavioral Symptoms in Parkinson's Disease	Dignity Health dba St. Joseph's Hospital	100%	\$645,124	4/1/2023	3/31/2027
David Werner	Developmental Exposure Alcohol Research Center - Main 4	National Institute for Alcohol Abuse & Alcoholism	40%	\$584,900	9/1/2024	8/31/2029

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Elena Varlinskaia	RESUB: Impact of prenatal alcohol and methadone exposure on dopamine regulation of BLA plasticity	National Institute for Alcohol Abuse & Alcoholism	5%	\$21,588	7/1/2023	6/30/2025
Elena Varlinskaia	Developmental Exposure Alcohol Research Center - Main 4	National Institute for Alcohol Abuse & Alcoholism	40%	\$584,900	9/1/2024	8/31/2029
Elena Varlinskaia	Impact of prenatal alcohol and methadone exposure on dopamine regulation of BLA plasticity	National Institute for Alcohol Abuse & Alcoholism	5%	\$21,588	4/1/2023	3/31/2025
Elena Varlinskaia	Developmental Exposure Alcohol Research Center - Main 3	National Institute for Alcohol Abuse & Alcoholism	10%	\$146,225	9/1/2024	8/31/2029
Emily Zale	A Novel Intervention to Increase Enrollment and Retention in a Rural Diabetes Self-Management Program	Bassett Healthcare	100%	\$50,135	4/1/2023	3/31/2025
Emily Zale	The gut microbiota as a link between alcohol and pain sensitivity	National Institute for Alcohol Abuse & Alcoholism	50%	\$908,322	12/1/2023	11/30/2028
Emily Zale	Common but Forgotten: Examining Temporal Associations between Menstrual Pain and E-Cigarette Use among Emerging Adults	National Institute on Drug Abuse	100%	\$418,070	9/1/2023	8/31/2025
Florence Varodayan	Neuroimmune mechanisms of adult chronic ethanol consumption	National Institute for Alcohol Abuse & Alcoholism	100%	\$423,770	7/1/2023	6/30/2025
Florence Varodayan	Developmental Exposure Alcohol Research Center - Main 4	National Institute for Alcohol Abuse & Alcoholism	20%	\$292,450	9/1/2024	8/31/2029
James Jentsch	Developmental Exposure Alcohol Research Center - Main 1	National Institute for Alcohol Abuse & Alcoholism	70%	\$1,023,575	9/1/2024	8/31/2029
James Jentsch	Developmental Exposure Alcohol Research Center - Pilot Project Core	National Institute for Alcohol Abuse & Alcoholism	50%	\$346,975	9/1/2024	8/31/2029

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
James Jentsch	Computational Methods for Identification of Genetic Factors Affecting the Response to Drug Abuse	Stanford University	100%	\$628,000	4/1/2023	3/31/2028
Jennifer Gillis Mattson	BRCASD 2022-2023	University at Albany	100%	\$55,000	7/1/2022	6/30/2023
Kenneth Kurtz	Collaborative Research: Improving STEM-Based Learning through the Use of Category Learning	National Science Foundation	100%	\$242,144	1/1/2023	12/31/2025
Lisa Savage	Developmental Exposure Alcohol Research Center - Pilot Project Core	National Institute for Alcohol Abuse & Alcoholism	50%	\$346,975	9/1/2024	8/31/2029
Lisa Savage	Developmental Exposure Alcohol Research Center - Main 2	National Institute for Alcohol Abuse & Alcoholism	100%	\$1,462,250	9/1/2024	8/31/2029
Lisa Savage	Developmental Exposure Alcohol Research Center - Admin Core	National Institute for Alcohol Abuse & Alcoholism	10%	\$98,125	9/1/2024	8/31/2029
Lisa Savage	Supplement to Promote Diversity for S. Day: Recovery of Adolescent Alcohol Disruption of Basal Forebrain-Cortical Projection Circuits	National Institute for Alcohol Abuse & Alcoholism	100%	\$311,691	2/1/2023	1/31/2026
Lisa Savage	Reversible HMGB1-Epigenetic Silencing of Neuronal Phenotype	University of North Carolina at Chapel Hill	100%	\$197,688	9/1/2026	8/31/2028
Marvin Diaz	Impact of prenatal alcohol and methadone exposure on dopamine regulation of BLA plasticity	National Institute for Alcohol Abuse & Alcoholism	95%	\$410,163	4/1/2023	3/31/2025
Marvin Diaz	Developmental Exposure Alcohol Research Center - Main 5	National Institute for Alcohol Abuse & Alcoholism	75%	\$1,075,313	9/1/2024	8/31/2029
Marvin Diaz	F32: Fellowship support for Kelcie Schatz: Impact of Prenatal Alcohol Exposure on CRF1R Mediated Neural Mechanisms and Social Behavior	National Institute for Alcohol Abuse & Alcoholism	100%	\$135,164	7/1/2023	6/30/2025

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Marvin Diaz	RESUB: Impact of prenatal alcohol and methadone exposure on dopamine regulation of BLA plasticity	National Institute for Alcohol Abuse & Alcoholism	95%	\$410,163	7/1/2023	6/30/2025
Meredith Coles	Resubmission: Using EMA and Real-Time Smartphone Data to Assess Ruminative Negative Thinking and Sleep Disturbance as Risk Factors for Anxiety and Depression	University of Pennsylvania	100%	\$1,132,080	7/1/2023	6/30/2027
Nadine Mastroleo	R21: Sensing Multi-modal Dyadic Processes in Motional Interviewing	National Institutes of Health	15%	\$62,711	8/1/2023	7/31/2025
Nadine Mastroleo	Resubmission: Friend-based Motivational Intervention to Reduce Alcohol-Involved Sexual Assault Risk on College Campuses	SUNY at Buffalo	100%	\$112,165	7/1/2023	6/30/2028
Nadine Mastroleo	Multi-site Efficacy Trial of An integrated Brief Alcohol and PTSD Intervention for Veterans in Primary Care	Veterans Health Research Institute of Central New York Incorporated	90%	\$408,503	9/1/2023	8/31/2028
Richard Mattson	F31: Fellowship Support for Michael Shaw: Dating, Literary Sexual Encounters, and Brain Stimulation Study	National Institute of Mental Health	100%	\$32,752	7/1/2023	6/30/2024
Richard Mattson	R21: Sensing Multi-modal Dyadic Processes in Motional Interviewing	National Institutes of Health	35%	\$146,325	8/1/2023	7/31/2025
Stefania Conte	R00: The Development of Face-Processing Abilities in Infants: Structural and Functional Brain Changes During the First Year of Life	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	100%	\$747,000	1/6/2023	1/5/2026
Terrence Deak	Developmental Exposure Alcohol Research Center - Admin Core	National Institute for Alcohol Abuse & Alcoholism	90%	\$883,125	9/1/2024	8/31/2029
Terrence Deak	NYSTAR Matching Grants Program: DEARC	Empire State Development Corp	100%	\$1,000,000	9/1/2024	8/31/2029
Terrence Deak	Developmental Exposure Alcohol Research Center - Main 3	National Institute for Alcohol Abuse & Alcoholism	90%	\$1,316,025	9/1/2024	8/31/2029

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Thomas Harding	Clinical Placement Agreement Between Children's Home of Wyoming Conference and The Research Foundation for the State University of New York	Childrens Home of Wyoming Conference	100%	\$12,001	8/1/2022	7/31/2023
Thomas Harding	Clinical Placement Agreement Between United Health Services Hospitals and The Research Foundation for the State University of New York	United Health Services Hospitals Incorporated	100%	\$23,000	8/12/2022	8/11/2023
<i>Total # Credited</i>				34.00		
<i>Total \$ Credited</i>				\$18,726,774		

020 Public Archaeology Facility

Laurie Miroff	St. Regis River Solar	LaBella Associates	100%	\$5,049	8/4/2022	8/3/2023
Laurie Miroff	Phase 1 Archaeological Survey, 90 Temple Street Project, Village of Owego, Tioga County	Village of Owego	100%	\$2,093	9/29/2022	9/28/2023
Laurie Miroff	Phase 1A/1B Archaeological Survey-Indigenous Monitor Costs, Owego Creek Streambank Protection Project, Town of Owego, Tioga County, New York	Tioga County Soil and Water Conservation District	100%	\$392	8/9/2022	8/8/2023
Laurie Miroff	Phase 1A/1B Archaeological Survey, Owego Creek Streambank Protection Project	Tioga County Soil and Water Conservation District	100%	\$3,065	8/1/2022	7/31/2023
Laurie Miroff	Phase 1B Archaeological Addendum Survey (Option 1: All Subsurface Testing), Frank Long Road Solar Project, Town of Pompey, Onondaga County, New York	Seaboard Solar	100%	\$14,817	8/1/2022	7/31/2023
Laurie Miroff	Phase 1A/1B Archaeological Survey, Lower Maple Ave Solar Project	Renovus Solar	100%	\$3,219	7/28/2022	7/27/2023
Laurie Miroff	Phase 1A Archaeological Assessment, Riga Solar Project (22PR05328)	Liberty Power	100%	\$2,754	9/27/2022	9/26/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Laurie Miroff	Phase 1B Archaeological Survey, Riga Solar Project Village, Churchville, Monroe County, New York	Liberty Power	100%	\$9,203	2/1/2023	1/31/2024
Laurie Miroff	Phase 1B Archaeological Survey, Riga Solar Project, Village of Churchville, Monroe County, New York	Liberty Power	100%	\$2,691	11/18/2022	11/17/2023
Laurie Miroff	Scotch Ridge Solar Project, Phase 1A Archaeological Assessment - Revision	LaBella Associates	100%	\$1,074	10/26/2022	10/25/2023
Laurie Miroff	Phase 1B Archaeological Survey, Buffalo State Campus, City of Buffalo, Erie County, New York	C&S Companies	100%	\$2,985	11/18/2022	11/17/2023
Laurie Miroff	Phase 1A Archaeological Assessment, Medina High Wall and Art Route, Village of Medina, Orleans County, NY	Interboro Partners	100%	\$4,198	10/18/2022	10/17/2023
Laurie Miroff	Phase 1A Archaeological Assessment, Buffalo State College Campus Project	C and S Engineering	100%	\$2,482	8/26/2022	8/25/2023
Laurie Miroff	Cultural Resource Screening (FCC 621), Yates County South Hill Tower Project, Town of Middlesex, Yates County, New York	C&S Companies	100%	\$1,723	10/13/2022	10/12/2023
Laurie Miroff	Phase 1A/1B Archaeological Survey (all subsurface testing - STPs of project area), Avon CSG 2 LLC Solar Project, Town of Avon, Livingston County, New York	C&S Companies	100%	\$16,008	10/19/2022	10/18/2023
Laurie Miroff	Cultural Resource Screening (FCC 620), Hamilton County 911 Cell Tower Projects- Morehouse and Arietta, Hamilton County, New York	C&S Companies	100%	\$5,080	10/25/2022	10/24/2023
Laurie Miroff	Cultural Resource Screening, Ulster Tonche Site Tower Project, Town of Shokan, Ulster County, NY	C&S Companies	100%	\$2,703	1/30/2023	1/29/2024
Laurie Miroff	Phase 1A/1B Archaeological Survey, Munro Road Storage Project, Town of Camillus, Onondaga County, NY	Onondaga County Soil and Water Conservation Dist	100%	\$4,900	12/7/2022	12/6/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Laurie Miroff	Phase 1A/1B Archaeological Survey, Palm Tree Estates Project, Town of Avon, Livingston County, New York	C&S Companies	100%	\$9,977	2/21/2023	2/20/2024
Laurie Miroff	Sellu Garage Wetland Permitting	Edgewood Environmental Consulting Limited Liability Corporation	100%	\$2,491	9/28/2022	9/27/2023
Laurie Miroff	Phase 1A/1B Archaeological Survey, Campgrounds at Bethel Woods - Phase 1 Priority Area Project	Bethel Woods Center for the Arts	100%	\$24,072	7/8/2022	7/7/2023
<i>Total # Credited</i>				<i>21.00</i>		
<i>Total \$ Credited</i>				<i>\$120,976</i>		

020 Research VP

In-Tae Bae	MRI: Acquisition of Electron Energy Loss Spectroscopy for and Materials Science and Life Science Research	National Science Foundation	70%	\$699,300	8/1/2022	7/31/2025
James Turner	Rapid Multiplexed Infectious Agent Detector (Multi-AD) System	Empire State Development Corp	50%	\$249,688	4/1/2023	3/31/2025
Steven Czarnecki	NSF Engines: Upstate Makes: A Materials Innovation Engine for Manufacturing Sustainability	FuzeHub	100%	\$399,999	7/1/2023	6/30/2025
<i>Total # Credited</i>				<i>2.20</i>		
<i>Total \$ Credited</i>				<i>\$1,348,987</i>		

020 School Of Management

Chou-Yu Tsai	Model Development and Data Analysis for "Business Idea Generation process on Entrepreneurship Education 2023"	Waseda University	50%	\$7,500	9/1/2022	8/31/2023
Cynthia Maupin	Collaborative Research: CCRI: Grand: A Large-Scale Multimodal Human Social Interaction Data Warehouse	National Science Foundation	30%	\$556,632	9/1/2022	8/31/2027

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Jinglu Jiang	CAREER: Standard-Setting as an Institutionalization Process: Firm Participation, SSO Governance, and Socioeconomic Outcomes	National Science Foundation	100%	\$400,000	2/1/2023	1/31/2028
Shelley Dionne	Model Development and Data Analysis for "Business Idea Generation process on Entrepreneurship Education 2023"	Waseda University	50%	\$7,500	9/1/2022	8/31/2023
<i>Total # Credited</i>				<i>2.30</i>		
<i>Total \$ Credited</i>				<i>\$971,632</i>		

020 School Of Management Acad

Chou-Yu Tsai	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education FY 2022	Kanagawa University of Human Services	100%	\$13,460	12/1/2022	11/30/2023
Jinglu Jiang	Stomp Out Stigma: Combat Provocative Content Consumption through Inclusive Design	Meta Platforms Technologies Limited Liability Corporation	100%	\$50,000	12/1/2022	11/30/2023
Jinglu Jiang	Engaging Users in Fact-Checking: An Attentional Control Perspective to Reduce Misinformation Harms	Meta Platforms Technologies Limited Liability Corporation	50%	\$50,000	2/1/2023	1/31/2024
Shelley Dionne	NRT: EMERGE: Training next generation applied social scientists through authentic complex systems research	National Science Foundation	11%	\$329,956	6/1/2023	5/31/2028
Surinder Kahai	Engaging Users in Fact-Checking: An Attentional Control Perspective to Reduce Misinformation Harms	Meta Platforms Technologies Limited Liability Corporation	50%	\$50,000	2/1/2023	1/31/2024
<i>Total # Credited</i>				<i>3.11</i>		
<i>Total \$ Credited</i>				<i>\$493,416</i>		

020 Student Affairs V P

Barrett Brenton	Collaborative Research: GCR: Using Convergent Modeling to Enhance Online Collective Action for Sustainable Offline Communities	National Science Foundation	13%	\$237,369	9/1/2023	8/31/2028
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<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
			Total # Credited	0.13		
			Total \$ Credited	\$237,369		

020 Systems Science and Indust Eng (SSIE)

Bing Si	CAREER: Transfer Learning for Probabilistic Clustering of High-dimensional Heterogeneous Data in Multi-source Complex Systems	National Science Foundation	100%	\$503,098	1/1/2023	12/31/2027
Bing Si	Ray-F2R-FL: Ray-based Functional Regression with Federated Learning	SUNY Central Administration	80%	\$80,000	1/1/2023	12/31/2023
Changqing Cheng	Optimal Learning for Topology Design of Dynamic Transport Networks	Meta Platforms Incorporated	100%	\$50,000	1/1/2023	12/31/2023
Changqing Cheng	Small Data Learning in Early Detection of Atrial Fibrillation	Sony Corporation	100%	\$100,000	1/1/2023	12/31/2023
Changqing Cheng	Optimal Learning and Control towards Resilient and Sustainable Distributed Manufacturing Systems	FACE Foundation	100%	\$10,000	10/1/2022	9/30/2024
Chao Shi	A comparison of motor and cognitive performance in a driving simulator among young adults following mTBI	Sony Corporation	50%	\$50,000	1/1/2022	12/31/2022
Chao Shi	Identifying Motor and Cognitive Deficits in Response to Takeover Requests During Conditional Driving Automation Among Drivers with Mild Traumatic Brain Injury	National Inst of Neurological Disorders & Stroke	40%	\$163,124	12/1/2023	11/30/2025
Christopher Greene	Quality and Reliability Engineering for Complex Surface Mount Devices	Smart Modular Technologies Inc	50%	\$13,029	8/16/2022	12/15/2022
Christopher Greene	Advanced Assembly Process Research and Development for Complex Surface Mount Device	Smart Modular Technologies Inc	50%	\$34,993	9/26/2022	9/25/2023
Christopher Greene	Continuous Process Improvement for Advanced Complex Surface Mount Devices	Smart Modular Technologies Inc	50%	\$34,993	9/26/2022	9/25/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Congyu Wu	R21: Sensing Multi-modal Dyadic Processes in Motional Interviewing	National Institutes of Health	45%	\$188,132	8/1/2023	7/31/2025
Congyu Wu	Center to Advance Mobility Equity through Coordination, Assessment, Research, and Enhancement (Equity-CARE)	US Department of Transportation	100%	\$624,995	11/15/2022	11/14/2027
Daehan Won	Performance Improvement of Clinical Practices and Operations Research 2022-23	LiveOnNY	25%	\$15,633	5/16/2022	5/15/2023
Daehan Won	CAREER: Data-driven Approaches in Autism Spectrum Disorder	National Science Foundation	100%	\$500,000	2/1/2023	1/31/2028
Daehan Won	A Systematic Integration of Reflow and Dispensing Processes with PCB Assembly for Quality Enhancement	Koh Young Technology Incorporated	33%	\$41,250	1/1/2023	12/31/2023
Daehan Won	Development of Closed-Loop Control and Optimization Modules of the Printed Circuit Board Assembly Processes in Surface Mount Technology	Koh Young Technology Incorporated	33%	\$49,500	1/1/2023	12/31/2023
Daryl Santos	Process Development and Improvement for New Product Introductions in Electronics Assembly	Foxconn Assembly Limited Liability Company	33%	\$23,934	8/1/2022	7/31/2023
Daryl Santos	Process Engineering and NPI Support in Electronics Assembly	Foxconn Assembly Limited Liability Company	33%	\$22,936	8/22/2022	8/21/2023
Daryl Santos	Applied Research in Project Management and Reliability Engineering for Computer Servers in the Hyper-Scale Cloud Service Provider Domain	PCE Paragon Solutions USA Incorporated	33%	\$67,338	8/22/2022	8/21/2023
Fuda Ning	Research in Manufacturing Engineering at a New Product Introduction Facility	Sanmina Corporation	50%	\$33,613	8/29/2022	8/28/2023
Fuda Ning	Manufacturing Process Design & Quality Inspection R&D at a New Product Introduction Facility	Sanmina Corporation	50%	\$33,613	1/19/2023	1/18/2024
Fuda Ning	Research in Quality Management in Electronics Manufacturing and Packaging	Sanmina Corporation	50%	\$33,613	11/28/2022	11/27/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Fuda Ning	Research in Electronics Manufacturing at a New Product Introduction Facility	Sanmina Corporation	50%	\$33,613	11/22/2022	11/21/2023
Fuda Ning	Research in Automation Software Engineering for Electronics Packaging	Sanmina Corporation	50%	\$33,613	11/30/2022	11/29/2023
Fuda Ning	Research in Manufacturing Engineering at a Surface Mounting Technology Company	Sanmina Corporation	50%	\$33,613	8/29/2022	8/28/2023
Fuda Ning	Collaborative Research: Establishing a Junior-to-Senior Level Hybrid Additive Manufacturing Course and Laboratory for Improving Undergraduate STEM Education	National Science Foundation	100%	\$99,500	2/1/2023	1/31/2026
Fuda Ning	CAREER: Directed Energy Deposition Additive Manufacturing of Composites through Simultaneous Coaxial Wire-Powder Feeding	National Science Foundation	100%	\$535,380	3/1/2023	2/29/2028
Fuda Ning	Research in Electronics Manufacturing and Automation Engineering	Sanmina Corporation	50%	\$33,613	11/1/2022	10/31/2023
Hiroki Sayama	Collaborative Research: GCR: Using Convergent Modeling to Enhance Online Collective Action for Sustainable Offline Communities	National Science Foundation	13%	\$237,369	9/1/2023	8/31/2028
Hiroki Sayama	Juxtaware: Automated Situational Awareness for Collaboration of Mobile Human Groups	Technergetics, LLC	100%	\$24,999	6/1/2023	5/31/2024
Hiroki Sayama	R21: Sensing Multi-modal Dyadic Processes in Motional Interviewing	National Institutes of Health	5%	\$20,904	8/1/2023	7/31/2025
Hiroki Sayama	Developing a Location-Aware Information Integration Platform with TAK and ML	Cornell University	100%	\$25,000	1/1/2023	12/31/2023
Hiroki Sayama	NRT: EMERGE: Training next generation applied social scientists through authentic complex systems research	National Science Foundation	11%	\$329,956	6/1/2023	5/31/2028
Jia Deng	CAREER: Probe-Based Hybrid Nanopatterning of Conductive Polymers	National Science Foundation	100%	\$612,501	7/1/2023	6/30/2028

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Krishnaswami Srihari	Quality and Reliability Engineering for Complex Surface Mount Devices	Smart Modular Technologies Inc	50%	\$13,029	8/16/2022	12/15/2022
Krishnaswami Srihari	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting (2022-2023 AMD 1)	Raymond Leasing Corporation	34%	\$20,295	8/16/2022	8/15/2023
Krishnaswami Srihari	Paratemporal Simulation with Uncertainty Quantification	RTSync Corporation	33%	\$17,842	12/1/2022	11/30/2023
Krishnaswami Srihari	Research in Manufacturing Engineering at a New Product Introduction Facility	Sanmina Corporation	50%	\$33,613	8/29/2022	8/28/2023
Krishnaswami Srihari	Research in Manufacturing Engineering at a Surface Mounting Technology Company	Sanmina Corporation	50%	\$33,613	8/29/2022	8/28/2023
Krishnaswami Srihari	Process Engineering and Development at an Electronics Manufacturing and Packaging Company	Sanmina Corporation	100%	\$134,452	10/24/2022	10/23/2023
Krishnaswami Srihari	Research in Electronics Manufacturing and Automation Engineering	Sanmina Corporation	50%	\$33,613	11/1/2022	10/31/2023
Krishnaswami Srihari	Research in Automation Software Engineering for Electronics Packaging	Sanmina Corporation	50%	\$33,613	11/30/2022	11/29/2023
Krishnaswami Srihari	Research in Electronics Manufacturing at a New Product Introduction Facility	Sanmina Corporation	50%	\$33,613	11/22/2022	11/21/2023
Krishnaswami Srihari	Manufacturing Process Design & Quality Inspection R&D at a New Product Introduction Facility	Sanmina Corporation	50%	\$33,613	1/19/2023	1/18/2024
Krishnaswami Srihari	Test Engineering Research and Development Support for Smart Modular Technologies	Smart Modular Technologies Inc	100%	\$69,985	8/29/2022	8/28/2023
Krishnaswami Srihari	Advanced Assembly Process Research and Development for Complex Surface Mount Device	Smart Modular Technologies Inc	50%	\$34,993	9/26/2022	9/25/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Krishnaswami Srihari	Continuous Process Improvement for Advanced Complex Surface Mount Devices	Smart Modular Technologies Inc	50%	\$34,993	9/26/2022	9/25/2023
Krishnaswami Srihari	Continuous Performance Improvement and System Modeling Support for TidalHealth AMD 2	TidalHealth	50%	\$22,637	12/10/2022	8/9/2023
Krishnaswami Srihari	Business Intelligence and Performance Improvement R&D (2022-2023)	United Health Services Hospitals Incorporated	50%	\$80,773	8/22/2022	8/21/2023
Krishnaswami Srihari	Supporting Continuous Improvement Team's Effort in the Project RESET	Raymond Corporation	34%	\$20,295	2/13/2023	2/12/2024
Krishnaswami Srihari	Performance Improvement Initiatives for Northwell Health Central Region Ambulatory Operations	Northwell Health	50%	\$34,879	2/20/2023	2/19/2024
Krishnaswami Srihari	Research in Quality Management in Electronics Manufacturing and Packaging	Sanmina Corporation	50%	\$33,613	11/28/2022	11/27/2023
Krishnaswami Srihari	Warehouse Operations Management and Analytics Research and Development (AMD 2)	Bennett Distribution Services Limited Liability Corporation	34%	\$23,104	2/6/2023	2/5/2024
Krishnaswami Srihari	Packaging System Design R&D and Engineering Support	Analog Devices, Incorporated	100%	\$139,970	1/16/2023	1/15/2024
Krishnaswami Srihari	Inventory Optimization and Process Automation for Raymond Logistics	Raymond Corporation	34%	\$20,295	8/15/2022	8/14/2023
Krishnaswami Srihari	Warehouse Operations Management and Analytics Research and Development	Bennett Distribution Services Limited Liability Corporation	34%	\$24,217	1/30/2023	1/29/2024
Krishnaswami Srihari	Data Analytics for Process Evaluation and Daily Process Automation in Raymond Logistics AMD 1	Raymond Corporation	34%	\$7,048	8/16/2022	12/15/2022
Krishnaswami Srihari	Application Engineering Support for Technical Solutions in Battery Energy Storage Systems AMD 2 Spring 2023	EOS Energy Enterprises	50%	\$13,591	1/1/2023	5/31/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Krishnaswami Srihari	Healthcare Practice Research and Development through Operational Planning and Simulation Modeling (AMD 2)	EwingCole	50%	\$1,925	2/1/2023	1/31/2024
Krishnaswami Srihari	Process Development and Improvement for New Product Introductions in Electronics Assembly	Foxconn Assembly Limited Liability Company	34%	\$24,660	8/1/2022	7/31/2023
Krishnaswami Srihari	Process Engineering and NPI Support in Electronics Assembly	Foxconn Assembly Limited Liability Company	34%	\$23,631	8/22/2022	8/21/2023
Krishnaswami Srihari	Advanced Data Analytics and Performance Improvement Support for Holy Name Medical Center	Holy Name Medical Center	50%	\$34,886	1/23/2023	1/22/2024
Krishnaswami Srihari	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	Kennedy Valve Company	25%	\$29,411	9/19/2022	9/18/2023
Krishnaswami Srihari	Performance Improvement of Clinical Practices and Operations Research 2022-23	LiveOnNY	25%	\$15,633	5/16/2022	5/15/2023
Krishnaswami Srihari	Improving Quality, Safety, and Patient Flow and Outpatient Medication Management (AMD 6)	Memorial Sloan Kettering Cancer Center	50%	\$67,866	8/22/2022	8/21/2023
Krishnaswami Srihari	Business Process Engineering Support for Network Management Systems CMO (AMD 24)	Montefiore Hospital and Medical Center	33%	\$21,687	8/22/2022	8/21/2023
Krishnaswami Srihari	Process Analysis and Performance Excellence for Integrated Delivery Care Systems (AMD 2)	Montefiore Hospital and Medical Center	34%	\$23,380	8/15/2022	8/14/2023
Krishnaswami Srihari	Applied Research in Project Management and Reliability Engineering for Computer Servers in the Hyper-Scale Cloud Service Provider Domain	PCE Paragon Solutions USA Incorporated	34%	\$69,379	8/22/2022	8/21/2023
Krishnaswami Srihari	Development of a Virtual Environment for Pharmacy Automation Systems for Software Testing, Training and Marketing Purposes (AMD 1 22-23)	Innovation Associates Doing Business As iA	34%	\$25,780	8/15/2022	8/14/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Mark Poliks	Direct Write Electronics AM Electronics Testing PDRD	Honeywell Federal Manufacturing & Technologies LLC	100%	\$150,000	1/1/2023	8/31/2023
Mark Poliks	Robust Conformal Interconnections for Flexible Textiles and Skin Patch Electronic Sensor Systems. (Sunray Scientific Air Force SBIR TACFI Program)	SunRay Scientific LLC	100%	\$60,000	9/1/2022	11/30/2023
Mark Poliks	Project STEAM PIPE - Strategic Transition of microElectronics to Accelerate Modernization by Prototyping and Innovating in the Packaging Ecosystem (Sub-in)	Optomec Incorporated	100%	\$500,000	7/1/2023	6/30/2025
Mark Poliks	GCR: Flexible and Low Cost Lead-Free Perovskite Solar Cells	National Science Foundation	15%	\$540,000	9/1/2023	8/31/2028
Mark Poliks	NSF Engines: Type-1: Environmental, Biochemical and Wearable Sensors in New York State Region (Sub-in from CUNY)	City University of New York	100%	\$95,000	5/1/2023	4/30/2025
Mark Poliks	Direct-Write Conformal Multi-Layer Sensor for SoC-BGA Component on Board	Lockheed Martin	100%	\$150,000	11/1/2022	10/31/2023
Mark Poliks	S2MARTS AMP for HMP for Hardware for State University of New York	General Electric Global Research	100%	\$225,000	1/1/2023	9/30/2024
Mark Poliks	Rapid Multiplexed Infectious Agent Detector (Multi-AD) System	Empire State Development Corp	50%	\$249,688	4/1/2023	3/31/2025
Mark Poliks	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Mohammad Khasawneh	Process Development and Improvement for New Product Introductions in Electronics Assembly	Foxconn Assembly Limited Liability Company	33%	\$23,934	8/1/2022	7/31/2023
Mohammad Khasawneh	Continuous Performance Improvement and System Modeling Support for TidalHealth AMD 2	TidalHealth	50%	\$22,637	12/10/2022	8/9/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Mohammad Khasawneh	Ankti Bansal: Collaborative Research: D-ISN: Disrupting West Virginia's opioid crisis: a multi-disciplinary approach through interdiction and harm reduction	National Science Foundation	100%	\$307,433	1/1/2023	12/31/2026
Mohammad Khasawneh	Paratemporal Simulation with Uncertainty Quantification	RTSync Corporation	33%	\$17,842	12/1/2022	11/30/2023
Mohammad Khasawneh	Business Intelligence and Performance Improvement R&D (2022-2023)	United Health Services Hospitals Incorporated	50%	\$80,773	8/22/2022	8/21/2023
Mohammad Khasawneh	Applied Research in Project Management and Reliability Engineering for Computer Servers in the Hyper-Scale Cloud Service Provider Domain	PCE Paragon Solutions USA Incorporated	33%	\$67,338	8/22/2022	8/21/2023
Mohammad Khasawneh	Performance Improvement Initiatives for Northwell Health Central Region Ambulatory Operations	Northwell Health	50%	\$34,879	2/20/2023	2/19/2024
Mohammad Khasawneh	Business Process Engineering Support for Network Management Systems CMO (AMD 24)	Montefiore Hospital and Medical Center	34%	\$22,344	8/22/2022	8/21/2023
Mohammad Khasawneh	Improving Quality, Safety, and Patient Flow and Outpatient Medication Management (AMD 6)	Memorial Sloan Kettering Cancer Center	50%	\$67,866	8/22/2022	8/21/2023
Mohammad Khasawneh	Performance Improvement of Clinical Practices and Operations Research 2022-23	LiveOnNY	25%	\$15,633	5/16/2022	5/15/2023
Mohammad Khasawneh	Process Engineering and NPI Support in Electronics Assembly	Foxconn Assembly Limited Liability Company	33%	\$22,936	8/22/2022	8/21/2023
Mohammad Khasawneh	Healthcare Practice Research and Development through Operational Planning and Simulation Modeling (AMD 2)	EwingCole	50%	\$1,925	2/1/2023	1/31/2024
Mohammad Khasawneh	Advanced Data Analytics and Performance Improvement Support for Holy Name Medical Center	Holy Name Medical Center	50%	\$34,886	1/23/2023	1/22/2024
Mohammad Khasawneh	Process Analysis and Performance Excellence for Integrated Delivery Care Systems (AMD 2)	Montefiore Hospital and Medical Center	33%	\$22,693	8/15/2022	8/14/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Peter Borgesen	CHIRP: Interactions Between Electromigration and Fatigue of Regular and Low Temperature Solder Joints	Purdue University	100%	\$149,997	1/1/2023	12/31/2025
Peter Borgesen	CHIRP: Optimizing Reliability of Solder Joints Reflowed at Temperatures Below 140C	Purdue University	100%	\$149,997	1/1/2023	12/31/2025
Sangwon Yoon	Development of Closed-Loop Control and Optimization Modules of the Printed Circuit Board Assembly Processes in Surface Mount Technology	Koh Young Technology Incorporated	33%	\$49,500	1/1/2023	12/31/2023
Sangwon Yoon	Paratemporal Simulation with Uncertainty Quantification	RTSync Corporation	34%	\$18,382	12/1/2022	11/30/2023
Sangwon Yoon	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting (2022-2023 AMD 1)	Raymond Leasing Corporation	33%	\$19,698	8/16/2022	8/15/2023
Sangwon Yoon	Supporting Continuous Improvement Team's Effort in the Project RESET	Raymond Corporation	33%	\$19,698	2/13/2023	2/12/2024
Sangwon Yoon	Data Analytics for Process Evaluation and Daily Process Automation in Raymond Logistics AMD 1	Raymond Corporation	33%	\$6,841	8/16/2022	12/15/2022
Sangwon Yoon	Performance Improvement of Clinical Practices and Operations Research 2022-23	LiveOnNY	25%	\$15,633	5/16/2022	5/15/2023
Sangwon Yoon	A Systematic Integration of Reflow and Dispensing Processes with PCB Assembly for Quality Enhancement	Koh Young Technology Incorporated	33%	\$41,250	1/1/2023	12/31/2023
Sangwon Yoon	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	Kennedy Valve Company	25%	\$29,411	9/19/2022	9/18/2023
Sangwon Yoon	Development of a Virtual Environment for Pharmacy Automation Systems for Software Testing, Training and Marketing Purposes (AMD 1 22-23)	Innovation Associates Doing Business As iA	33%	\$25,022	8/15/2022	8/14/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Sangwon Yoon	Warehouse Operations Management and Analytics Research and Development (AMD 2)	Bennett Distribution Services Limited Liability Corporation	33%	\$22,425	2/6/2023	2/5/2024
Sangwon Yoon	Warehouse Operations Management and Analytics Research and Development	Bennett Distribution Services Limited Liability Corporation	33%	\$23,505	1/30/2023	1/29/2024
Sangwon Yoon	Inventory Optimization and Process Automation for Raymond Logistics	Raymond Corporation	33%	\$19,698	8/15/2022	8/14/2023
Sreenath Chalil Madathil	Mobilizing Interdisciplinary Cybersecurity Culture in Early Undergraduate Education	University of Texas at El Paso	100%	\$109,999	4/1/2023	3/31/2025
Susan Shuxia Lu	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Susan Shuxia Lu	GCR: Flexible and Low Cost Lead-Free Perovskite Solar Cells	National Science Foundation	15%	\$540,000	9/1/2023	8/31/2028
Yingge Zhou	3D Printing-Assisted Multi-Scale Channel Vascularized Soft Tissue Scaffolds	National Science Foundation	100%	\$494,002	1/1/2024	12/31/2026
Yingge Zhou	R21: Biofabrication of Hierarchical Vascular Networks with Microtube-Embedded Bioink for 3D Tissue Growth and Maturation	National Institutes of Health	50%	\$293,480	12/1/2023	11/30/2026
Yong Wang	Business Process Engineering Support for Network Management Systems CMO (AMD 24)	Montefiore Hospital and Medical Center	33%	\$21,687	8/22/2022	8/21/2023
Yong Wang	Supporting Continuous Improvement Team's Effort in the Project RESET	Raymond Corporation	33%	\$19,698	2/13/2023	2/12/2024
Yong Wang	Data Analytics for Process Evaluation and Daily Process Automation in Raymond Logistics AMD 1	Raymond Corporation	33%	\$6,841	8/16/2022	12/15/2022
Yong Wang	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting (2022-2023 AMD 1)	Raymond Leasing Corporation	33%	\$19,698	8/16/2022	8/15/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Yong Wang	Process Analysis and Performance Excellence for Integrated Delivery Care Systems (AMD 2)	Montefiore Hospital and Medical Center	33%	\$22,693	8/15/2022	8/14/2023
Yong Wang	Application Engineering Support for Technical Solutions in Battery Energy Storage Systems AMD 2 Spring 2023	EOS Energy Enterprises	50%	\$13,591	1/1/2023	5/31/2023
Yong Wang	Warehouse Operations Management and Analytics Research and Development (AMD 2)	Bennett Distribution Services Limited Liability Corporation	33%	\$22,425	2/6/2023	2/5/2024
Yong Wang	Warehouse Operations Management and Analytics Research and Development	Bennett Distribution Services Limited Liability Corporation	33%	\$23,505	1/30/2023	1/29/2024
Yong Wang	Inventory Optimization and Process Automation for Raymond Logistics	Raymond Corporation	33%	\$19,698	8/15/2022	8/14/2023
Yong Wang	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	Kennedy Valve Company	25%	\$29,411	9/19/2022	9/18/2023
Yu Jin	Development of a Virtual Environment for Pharmacy Automation Systems for Software Testing, Training and Marketing Purposes (AMD 1 22-23)	Innovation Associates Doing Business As iA	33%	\$25,022	8/15/2022	8/14/2023
Zeynep Ertem	NRT: EMERGE: Training next generation applied social scientists through authentic complex systems research	National Science Foundation	11%	\$329,956	6/1/2023	5/31/2028
Zimo Wang	Support Kennedy Valve in Electronic Information System Implementation and Powder Coating Process Improvement	Kennedy Valve Company	25%	\$29,411	9/19/2022	9/18/2023
Zimo Wang	The explainable long-term forecast interface for prognosis of cardiac dynamic via ECG monitoring scheme	Sony Corporation	100%	\$100,000	6/1/2023	5/31/2024
<i>Total # Credited</i>				63.23		
<i>Total \$ Credited</i>				\$12,484,756		

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<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Bahgat Sammakia	Honeywell 2023-2024 ES2 I/UCRC Membership Agreement	Honeywell International Incorporated	33%	\$16,500	6/1/2023	5/31/2024
Kanad Ghose	Honeywell 2023-2024 ES2 I/UCRC Membership Agreement	Honeywell International Incorporated	34%	\$17,000	6/1/2023	5/31/2024
Meera Sampath	NSF Engines: Type-2: Elevate Upstate	Griffiss Institute	100%	\$2,113,543	6/1/2023	5/31/2025
Miguel Baique	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Seungbae Park	Koh Young Full Membership in the IEEC, 2023-24	Koh Young Technology Incorporated	100%	\$60,000	2/1/2023	1/31/2024
Seungbae Park	Universal Instruments Participating Membership in the IEEC, 2023	Universal Instruments Corporation	100%	\$5,000	1/1/2023	12/31/2023
Seungbae Park	Analog Devices membership in the IEEC 2023-24	Analog Devices, Incorporated	100%	\$60,000	2/8/2023	2/7/2024
Seungbae Park	TTM's Participating Membership in the IEEC, 2023-24	TTM Technologies	100%	\$5,000	2/2/2023	2/1/2024
Seungbae Park	Vergason Technology Inc.	Vergason Technology Incorporated	100%	\$5,000	10/1/2022	9/30/2023
Seungbae Park	Sanmina's Participating membership in the IEEC 2023-24	Sanmina Corporation	100%	\$5,000	2/15/2023	2/14/2024
Seungbae Park	Prismark Partners 2022-23 Full Membership in the IEEC	Prismark Partners LLC	100%	\$25,000	9/15/2022	9/14/2023
Seungbae Park	Menlo Microsystem's Participating Membership in the IEEC 2022-23	Menlo Microsystems Incorporated	100%	\$5,000	11/15/2022	11/14/2023
Seungbae Park	Lockheed Martin's Full Membership in the IEEC 2023	Lockheed Martin	100%	\$60,000	1/1/2023	12/31/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Seungbae Park	Indium Corporation' Full Membership in the IEEC, 2023-24	Indium Corporation	100%	\$60,000	3/1/2023	2/29/2024
Seungbae Park	IBM Full Membership in IEEC 2023-2027	IBM Corporation	100%	\$300,000	1/1/2023	12/31/2027
Seungbae Park	Global Foundries IEEC Participating Membership 2022-2023	Global Foundries, Inc.	100%	\$5,000	11/1/2022	10/31/2023
Seungbae Park	DuPont Participating Membership in the IEEC 2022-23	Dupont Speciality Products USA LLC	100%	\$5,000	10/1/2022	9/30/2023
Seungbae Park	Corning's Full Membership in the IEEC, 2022-23	Corning Incorporated	100%	\$60,000	10/1/2022	9/30/2023
Seungbae Park	AVO Photonics Participating Membership in the IEEC 2022-23	AVO Photonics	100%	\$5,000	8/18/2022	8/17/2023
Seungbae Park	ASE Full Membership in the IEEC 2022-23	Advanced Semiconductor Engineering Incorporated	100%	\$60,000	9/1/2022	8/31/2023
Seungbae Park	BAE's Full Membership in the IEEC, 2023	BAE Systems Controls Incorporated	100%	\$60,000	1/1/2023	12/31/2023
Srikanth Rangarajan	Honeywell 2023-2024 ES2 I/UCRC Membership Agreement	Honeywell International Incorporated	33%	\$16,500	6/1/2023	5/31/2024

<i>Total # Credited</i>	19.03
<i>Total \$ Credited</i>	\$3,488,544

Total Proposals Submitted:	362.00
Total Amount Requested:	\$219,807,285