

Sponsored Programs Proposal Submission Report

For the period July 1, 2022 to June 30, 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>
020 Acad Affairs Prov VP						
Donald Hall	Pathways to Scholarship: Improved Recruitment and Retention Practices at Binghamton University	Alfred P Sloan Foundation	100%	\$250,000	1/1/2024	12/31/2025
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
Lorena Aguilar	EbA policy mechanisms for gender transformative action: Fostering women's capacities in four dryland regions.	United Nations Environmental Programme	100%	\$95,873	11/1/2023	10/31/2025
Valerie Imbruce	Redesigning environmental studies core curriculum to educate 21st century professionals	National Science Foundation	25%	\$99,974	9/1/2023	8/31/2026
			Total # Credited	3.25		
			Total \$ Credited	\$470,596		
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
Carl Lipo	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
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
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
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
Carl Lipo	NSF REU Supplement- AWARD 95381	National Science Foundation	100%	\$4,973	8/31/2026	8/30/2027
David Mixter	Redesigning environmental studies core curriculum to educate 21st century professionals	National Science Foundation	25%	\$99,974	9/1/2023	8/31/2026
David Mixter	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
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
Kathleen Sterling	Demographics of Archaeology in Public Higher Education: SUNY as a case study/pilot study	National Science Foundation	100%	\$72,673	11/1/2023	6/30/2024
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

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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
			Total # Credited	10.52		
			Total \$ Credited	\$1,388,782		

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
Pamela Smart	Getty Foundation Supplemental Funding: Indian Ocean Exchanges	Getty Foundation	100%	\$28,999	3/1/2023	2/29/2024
			Total # Credited	2.00		
			Total \$ Credited	\$38,970		

020 Arts and Sciences Dean

Barrett Brenton	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
Dara Silberstein	Health & Human Services for Lesbian, Gay, Bisexual, and Transgender Individuals, Families, & Communities	NYS Department of Health	33%	\$105,875	7/1/2022	6/30/2024
Nirav Patel	Perceptions and Behavioral Attitudes of Businesses and Consumers towards per- and polyfluoroalkyl substances (PFAS) in food packaging across Broome County	Empire State Development Corp	100%	\$39,527	5/15/2023	5/14/2024
Sean Massey	Health & Human Services for Lesbian, Gay, Bisexual, and Transgender Individuals, Families, & Communities	NYS Department of Health	33%	\$105,875	7/1/2022	6/30/2024

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Yuxin Wang	Development of Sustainable Halide Perovskite Solar Cells to Reduce Lead and Iodine Leaching into the Environment	Environmental Protection Agency	25%	\$94,444	11/1/2023	10/31/2025
Yuxin Wang	GCR: Flexible and Low Cost Lead-Free Perovskite Solar Cells	National Science Foundation	15%	\$540,000	9/1/2023	8/31/2028
			Total # Credited	2.12		
			Total \$ Credited	\$886,321		

020 Biological Sciences

Adam Session	Allopolyploid subtelomere characterization reveals dynamics of chromosome evolution	National Human Genome Research Institute	100%	\$581,910	4/1/2024	3/31/2027
Adam Session	Collaborative research: BoCP-Implementation: Variation in mutualist partner quality along the speciation continuum in a species complex of keystone seed dispersers	National Science Foundation	27%	\$476,969	2/1/2024	1/31/2029
Claudia Marques	Mechanisms of Survival of <i>P. aeruginosa</i> 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
Claudia Marques	R01 Renewal: Engineering a Small Intestinal Microbiome To Evaluate Food Additive Exposure	National Institutes of Health	50%	\$1,896,519	7/1/2023	6/30/2028
Claudia Marques	NSF Engineering Research Center for Innovative Materials and Processes for Antimicrobial Control Technologies (ERC-IMPACT)	Stevens Institute of Technology	20%	\$1,087,999	9/1/2024	8/31/2029
David Davies	NSF Engineering Research Center for Innovative Materials and Processes for Antimicrobial Control Technologies (ERC-IMPACT)	Stevens Institute of Technology	20%	\$1,087,999	9/1/2024	8/31/2029

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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
Karin Sauer	NSF Engineering Research Center for Innovative Materials and Processes for Antimicrobial Control Technologies (ERC-IMPACT)	Stevens Institute of Technology	100%	\$5,439,996	9/1/2024	8/31/2029
Karin Sauer	NYSTAR Matching Grant: NSF Engineering Research Center for Innovative Materials and Processes for Antimicrobial Control Technologies (ERC-IMPACT)	Empire State Development Corp	100%	\$1,000,000	9/1/2024	8/31/2029
Kirsten Prior	Collaborative research: BoCP-Implementation: Variation in mutualist partner quality along the speciation continuum in a species complex of keystone seed dispersers	National Science Foundation	37%	\$653,624	2/1/2024	1/31/2029
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
Laura Cook	Investigation into a novel sRNA in Streptococcus agalactiae colonization and metal homeostasis	National Institute of Allergy & Infectious Disease	100%	\$424,354	9/1/2023	8/31/2025
Laura Cook	Resubmission: The role of the host microbiota in Streptococcus pyogenes pharyngeal infection and carriage	National Institute of Allergy & Infectious Disease	100%	\$1,645,502	2/1/2024	1/31/2029
Laura Cook	Community-wide Biofilm Interactions Across Systems	National Institute of General Medical Sciences	100%	\$1,894,100	7/1/2023	6/30/2028

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Laura Cook	NSF Engineering Research Center for Innovative Materials and Processes for Antimicrobial Control Technologies (ERC-IMPACT)	Stevens Institute of Technology	20%	\$1,087,999	9/1/2024	8/31/2029
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
Pavel Masek	Dual dopamine circuit involved in a higher order conditioning	Whitehall Foundation Incorporated	100%	\$300,000	9/1/2023	8/31/2026
Peter McKenney	NSF Engineering Research Center for Innovative Materials and Processes for Antimicrobial Control Technologies (ERC-IMPACT)	Stevens Institute of Technology	20%	\$1,087,999	9/1/2024	8/31/2029
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
Peter McKenney	R21 - Modulation of C. difficile sporulation by enterococci	National Institute of Allergy & Infectious Disease	100%	\$418,070	7/1/2024	6/30/2026
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

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Thomas Powell	Collaborative research: BoCP-Implementation: Variation in mutualist partner quality along the speciation continuum in a species complex of keystone seed dispersers	National Science Foundation	36%	\$635,959	2/1/2024	1/31/2029
			Total # Credited	18.81		
			Total \$ Credited	\$25,859,018		

020 Biomedical Engineering

Ahyeon Koh	CAREER: Artificial Extracellular Matrix Biosensors (e-ECM)	National Science Foundation	100%	\$500,120	1/1/2023	12/31/2027
Ahyeon Koh	Collaborative Research: Wearable, Situation-aware Respiratory Health Monitoring	National Science Foundation	50%	\$199,596	2/1/2023	1/31/2026
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
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	R21: Mask-integrated Respiratory Health Monitoring	National Institutes of Health	50%	\$213,243	4/1/2023	3/31/2025
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
Fake Lu	EAGER: Establishing Near-Ultraviolet Coherent Anti-Stokes Raman Scattering Microscopy for Highly Sensitive Imaging of Native Biomolecules	National Science Foundation	100%	\$300,000	9/1/2023	8/31/2025
Fake Lu	Vibrational ptychography for chemical phase bioimaging (R01)	National Institute of General Medical Sciences	70%	\$1,269,723	4/1/2024	3/31/2028

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Gretchen Mahler	AHA Fellowship: Fatemeh (Yoona) Saleemizadehparizi	American Heart Association Incorporated	100%	\$65,106	1/1/2023	12/31/2024
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
Gretchen Mahler	NSF Engineering Research Center for Innovative Materials and Processes for Antimicrobial Control Technologies (ERC-IMPACT)	Stevens Institute of Technology	20%	\$1,087,999	9/1/2024	8/31/2029
Gretchen Mahler	IGE: Enhancing Graduate Students' Professional Readiness and Competitiveness through Transdisciplinary Training on the Orthogonal Curricular Matrix	National Science Foundation	20%	\$100,000	10/1/2023	9/30/2026
Gretchen Mahler	R01 Renewal: Engineering a Small Intestinal Microbiome To Evaluate Food Additive Exposure	National Institutes of Health	50%	\$1,896,519	7/1/2023	6/30/2028
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	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
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
Guy German	R21 Development of Skin wound model to understand infection	Virginia-Maryland College of Veterinary Medicine	100%	\$139,010	4/1/2024	3/31/2026
Kaiming Ye	Synergistic Regulation of Signaling Pathways for Functional Islet Organogenesis	National Science Foundation	50%	\$222,791	10/1/2023	9/30/2026

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Kaiming Ye	NSF Engines Type 1 proposal (Upstate Medical Center)	Upstate Medical University Foundation	100%	\$85,485	1/1/2023	12/31/2024
Kaiming Ye	2023 Gordon Research Conference: Advanced Cell and Tissue Biomanufacturing	National Science Foundation	100%	\$50,000	4/1/2023	3/31/2024
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	NIST Professional Research Experience Program (PREP) Partnership	Johns Hopkins University	100%	\$6,640,587	12/1/2022	11/30/2027
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	Fellowship Support for Busra Buyuk: Effect of Cancer-Derived-Exosomes on Breast Cancer Metastasis	Breast Cancer Coalition of Rochester	100%	\$25,000	5/31/2023	5/30/2024
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
Kaiming Ye	Motion-adaptive Multifunctional Hydrogel Probes for Neural Modulation and Recording during Behaviors(Siyuan Rao)	National Institutes of Health	100%	\$1,838,024	4/1/2024	3/31/2027
Ling Wang	A transfer learning ensemble model for cell classification through phase images	University of Rochester	100%	\$59,998	9/1/2023	8/31/2024
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

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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	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
Yizeng Li	The role of cell mechanosensation in cell volume regulation	Johns Hopkins University	100%	\$88,046	4/1/2024	3/31/2028
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
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	Prediction of acquired resistance to EGFR-TKI	National Cancer Institute	100%	\$447,200	4/1/2024	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
				Total # Credited	31.80	
				Total \$ Credited	\$27,061,967	

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
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Laura Bronstein	New York University-Assisted Community Schools Statewide Initiative	US Department of Education	25%	\$9,140,721	1/1/2023	12/31/2027
Laura Bronstein	Binghamton University Community Schools Resource Center: Building on Binghamton University as the Community's Anchor Institution	US Department of Education	100%	\$2,000,000	10/1/2023	9/30/2024
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	Family Partner Program: Connecting Families to School Mental Health Practice	US Department of Education	40%	\$1,500,523	9/1/2023	8/31/2028
LuAnn Kida	Rural Mental Health in Schools Expansion Initiative	US Department of Education	25%	\$1,437,487	9/1/2023	8/31/2028
LuAnn Kida	(ETAC) NYSED Eastern Community Schools Technical Assistance Center	NYS Education Department	25%	\$471,814	10/1/2023	9/30/2028
LuAnn Kida	New York University-Assisted Community Schools Statewide Initiative	US Department of Education	25%	\$9,140,721	1/1/2023	12/31/2027
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
Naorah Rimkunas	NYSED C/W Community Schools Technical Assistance Center	NYS Education Department	50%	\$978,113	7/1/2023	6/30/2028
Naorah Rimkunas	(ETAC) NYSED Eastern Community Schools Technical Assistance Center	NYS Education Department	25%	\$471,814	10/1/2023	9/30/2028
Naorah Rimkunas	Rural Mental Health in Schools Expansion Initiative	US Department of Education	75%	\$4,312,461	9/1/2023	8/31/2028

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Naorah Rimkunas	Family Partner Program: Connecting Families to School Mental Health Practice	US Department of Education	60%	\$2,250,784	9/1/2023	8/31/2028
Tara Edmunds	(ETAC) NYSED Eastern Community Schools Technical Assistance Center	NYS Education Department	50%	\$943,629	10/1/2023	9/30/2028
			Total # Credited	6.80		
			Total \$ Credited	\$35,363,285		

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
George Homsy	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
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
Pamela Mischen	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
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

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Total # Credited **0.62**
Total \$ Credited **\$686,758**

020 CCPA Social Work

Dalhee Yoon	Reciprocal relations among family, peer, and adolescent substance use from child maltreatment experiences	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	100%	\$169,171	4/1/2024	3/31/2026
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
Monica Adams	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
Naorah Rimkunas	Professional Learning of an Early Career Scholar: Mathematics Education Research in Out-of-School Learning Time	National Science Foundation	25%	\$192,956	8/1/2023	7/31/2026
Sarah Young	Health & Human Services for Lesbian, Gay, Bisexual, and Transgender Individuals, Families, & Communities	NYS Department of Health	34%	\$109,083	7/1/2022	6/30/2024
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 **3.65**
Total \$ Credited **\$524,141**

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
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Total # Credited **1.00**
Total \$ Credited **\$2,000,000**

020 CCPA Teaching Learning Educ Leadership

<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>
Adam Laats	School Children: A New History of US Public Education, 1790-1850	Spencer Foundation	100%	\$18,195	6/1/2024	12/31/2024
Amber Simpson	IGE: Enhancing Graduate Students' Professional Readiness and Competitiveness through Transdisciplinary Training on the Orthogonal Curricular Matrix	National Science Foundation	20%	\$100,000	10/1/2023	9/30/2026
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
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	Professional Learning of an Early Career Scholar: Mathematics Education Research in Out-of-School Learning Time	National Science Foundation	50%	\$385,911	8/1/2023	7/31/2026
Elizabeth Anderson	New York University-Assisted Community Schools Statewide Initiative	US Department of Education	25%	\$9,140,721	1/1/2023	12/31/2027
Hyejung Kim	PATHWAY TO SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) EMPLOYMENT FOR AUTISTIC STUDENTS	National Science Foundation	100%	\$75,000	1/1/2024	12/31/2024
Loretta Mason-Williams	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
Naorah Rimkunas	Professional Learning of an Early Career Scholar: Mathematics Education Research in Out-of-School Learning Time	National Science Foundation	25%	\$192,956	8/1/2023	7/31/2026
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

<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	7.16		
			Total \$ Credited	\$25,260,458		
020 Chemistry						
Brian Callahan	Hedgehog autoprocessing: molecular mechanisms and drug discovery	Rensselaer Polytechnic Institute	100%	\$1,309,550	7/1/2023	6/30/2028
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	Discovery and anti-tumor activity of the first antagonists targeting human Sonic Hedgehog autoprocessing	National Cancer Institute	100%	\$427,190	5/9/2024	5/8/2026
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	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
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	Crystalline-amorphous biphasic transformation of multimetallic nanoparticles	National Science Foundation	100%	\$405,440	9/1/2023	8/31/2026
Chuan Jian Zhong	An Ultrasensitive and Low-Cost p24 Antigen Test for the Early Detection of HIV	National Institutes of Health	100%	\$20,000	6/1/2023	5/31/2024
Eriks Rozners	2023 Go Green Institute at Binghamton University	Binghamton City School District	100%	\$60,000	4/1/2023	3/31/2024
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

<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>
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
Eriks Rozners	NSF Supplement (CHE International)	National Science Foundation	100%	\$16,391	8/1/2023	7/31/2024
Hao Liu	Advanced Electrolytes to Enable Lithium-Metal Anode Batteries	National Science Foundation	100%	\$89,999	10/1/2024	9/30/2025
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	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	14%	\$2,520,000	7/1/2023	6/30/2029
Hao Liu	Salt Level and Carbonates Speciation Optimization with Phospholyte	New Dominion Enterprises	100%	\$25,000	10/24/2022	1/23/2023
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
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
Huiyuan Guo	Experiments and Modeling of Cellular Interactions and Toxicity of Nanoplastics in Blood	National Inst of Environmental Health Sciences	50%	\$204,363	1/1/2024	12/31/2025
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
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

<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>
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	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	A Scalable Light Recycling Hole Transport Layer	US Department of Energy	40%	\$100,000	1/1/2024	12/31/2024
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	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
Jiye Fang	Development of TiO ₂ Facet-Supported Single-Atom Catalysts for Modulating the Direct Syngas Conversion	American Chemical Society	100%	\$125,000	3/1/2024	2/28/2026
Jiye Fang	Development of CeO ₂ 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
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

<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>
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
Julien Panetier	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
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
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	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	5%	\$900,000	7/1/2023	6/30/2029
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	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	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	FuzeHub: Integration and validation of fast charging lithium battery cells using microstructured electrodes	FuzeHub	100%	\$50,000	9/1/2023	8/31/2024
Nikolay Dimitrov	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Nikolay Dimitrov	CHIRP: Corrosion of Sintered Cu and Ag Interconnects - Assessment and Prevention	Purdue University	100%	\$149,997	1/1/2023	12/31/2025

<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>
Puja Goyal	R35: Computational studies of natural and engineered photoreceptors	National Institutes of Health	100%	\$1,813,620	7/1/2023	6/30/2028
Sozanne Solmaz	Administrative Supplement for Award 93818 (R01GM144578)	National Institutes of Health	100%	\$95,993	5/1/2023	1/31/2024
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
Wei Qiang	R01: Modulation of the Molecular Structural Polymorphisms and Neurotoxicity of Beta-Amyloid Fibrils induced by Cross-Seeding with the Post-translationally Modified Variants	National Institutes of Health	100%	\$1,932,200	1/1/2024	12/31/2028
			Total # Credited	43.07		
			Total \$ Credited	\$38,786,778		

020 Computer Science

Adnan Siraj Rakin	SaTC: CORE: Small: Towards Secure and Trustworthy Source-Free Domain Adaptation	National Science Foundation	100%	\$300,000	10/1/2023	9/30/2026
Adnan Siraj Rakin	MTRAS: ML-Informed Targeted Reduction of Attack Surface in Debloated Software - Sub-in	Turmeric Technologies Limited Liability Corporation	100%	\$71,781	7/1/2023	6/30/2024
Dmitry Ponomarev	NSF REU Supplement 2 for Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	National Science Foundation	50%	\$8,000	6/1/2023	5/31/2024
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

<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>
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
Jayson Boubin	Autonomous UAVs for Real-time Hyperspectral Phenomena Detection	Cornell University	50%	\$50,000	6/1/2023	5/31/2024
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	Proto-OKN Theme 1: Building a Social and Behavioral Open Knowledge Network	National Science Foundation	100%	\$1,499,999	1/1/2024	12/31/2026
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
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
Jeremy Blackburn	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	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>
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
Kanad Ghose	Collaborative: FuSe: A Holistic Co-design Methodology for Realizing Future System-in-a-Package Architectures	National Science Foundation	33%	\$398,184	1/1/2024	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	Autonomous UAVs for Real-time Hyperspectral Phenomena Detection	Cornell University	50%	\$50,000	6/1/2023	5/31/2024
Kenneth Chiu	Vibrational ptychography for chemical phase bioimaging (R01)	National Institute of General Medical Sciences	30%	\$544,167	4/1/2024	3/31/2028
Kenneth Chiu	Establishing near-UV SRS for highly sensitive bioimaging	National Institutes of Health	20%	\$118,646	12/1/2023	11/30/2026
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	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	ThermoAI	100%	\$100,000	1/1/2023	12/31/2024
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
Kyoung-Don Kang	CSR: Small: Enhancing Timeliness and Power-Efficiency of Real-Time Data Services	National Science Foundation	100%	\$599,084	10/1/2023	9/30/2026
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
Lijun Yin	Face recognition under occlusion, various poses and illuminations	Kitware Incorporated	100%	\$518,215	9/1/2023	2/28/2025

<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>
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
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
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	R01: The Effect of Meditation on Neurocognitive Aging	National Institute on Aging	100%	\$1,301,183	7/1/2023	6/30/2026
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 Institutes of Health	100%	\$3,036,523	4/1/2024	3/31/2029
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
Yu David Liu	NSF REU Supplement 2 for Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	National Science Foundation	50%	\$8,000	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
			Total # Credited	26.57		
			Total \$ Credited	\$15,455,487		

020 Decker/Physical Therapy

<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>
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	Tele-rehabilitation for mTBI	US Air Force Research Laboratory	100%	\$157,000	10/1/2022	9/30/2024
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
			Total # Credited	2.90		
			Total \$ Credited	\$380,124		

020 Decker/School of Nursing

Jodi L. Sutherland	Undergraduate End-of-Life Care Simulation in a Rural Home Care Setting	Rural Nurse Organization	100%	\$499	8/20/2023	8/19/2024
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
Judith Quaranta	Asthma Management and COVID	NYS Department of Health	100%	\$49,998	10/1/2023	3/31/2024
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
Nicole Rouhana	Advanced Nursing Education-Nurse Practitioner Residency Program (ANE-NPR)	Bassett Healthcare	100%	\$114,645	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>
Nicole Rouhana	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
Nicole Rouhana	Advanced Nursing Education Workforce Program (ANEW)	Health Resources and Services Admin	100%	\$2,592,254	7/1/2023	6/30/2027
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
Yvonne Johnston	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
			Total # Credited	5.52		
			Total \$ Credited	\$3,444,096		

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
Rodney Gabel	Clinical Placement Agreement between Family Enrichment Network and The Research Foundation for SUNY	Family Enrichment Network	100%	\$357,674	7/1/2023	6/30/2024
Rodney Gabel	Clinical Placement Agreement between Maine-Endwell School District and The Research Foundation for SUNY	Maine Endwell School District	100%	\$119,225	7/1/2023	6/30/2024
Rodney Gabel	Clinical Placement Agreement between Whitney Point School District and The Research Foundation for SUNY	Whitney Point Central School District	100%	\$119,225	7/1/2023	6/30/2024

<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 **5.00**
Total \$ Credited **\$1,606,275**

020 Economics

Andreas Pape	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	16%	\$1,600	6/1/2023	5/31/2024
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
Andreas Pape	IGE: Enhancing Graduate Students' Professional Readiness and Competitiveness through Transdisciplinary Training on the Orthogonal Curricular Matrix	National Science Foundation	20%	\$100,000	10/1/2023	9/30/2026
Neha Khanna	An Analysis of the Triple Environmental Stressors Near Primary Roadways in the United States	National Science Foundation	100%	\$75,000	11/1/2023	10/31/2024
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

Total # Credited **2.66**
Total \$ Credited **\$1,092,358**

020 Electrical and Computer Engineering

David Klotzkin	DURIP: CRITI-Q: an Integrated Testbed for National Critical Infrastructure Security Research in the Post Quantum Era	US Air Force Office of Scientific Research	20%	\$150,591	2/1/2024	1/31/2025
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

<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>
Jessica Fridrich	SaTC: CORE: Medium: Analytic versus Data Driven Models in Steganography: Empowering Each Other	National Science Foundation	100%	\$880,352	10/1/2023	9/30/2026
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
Jungwook Paek	ASCENT: Integrated Biofuel Cell Systems for Green and Sustainable Internet of Things	National Science Foundation	20%	\$300,000	1/1/2024	12/31/2027
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
Mengen Wang	DMREF: Accelerated discovery of high-temperature corrosion-resistant alloys	National Science Foundation	20%	\$400,000	9/1/2023	8/31/2027
Ning Zhou	Control Strategy Development for Inverter-Based Resources to Improve Oscillation Modes	Pacific Northwest National Laboratory	100%	\$80,000	4/10/2023	4/9/2025
Ning Zhou	ASCENT: Networked Large-Scale T&D Grid Analytics for High Renewable Penetration Power System through Advanced Computing, Communication, and Co-simulation	Clemson University	100%	\$299,863	1/1/2024	12/31/2026
Pritam Das	Experimental verification of a Single-stage half-bridge point of load converter	Nexperia	100%	\$89,611	6/1/2023	5/31/2024
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

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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
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	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
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	Stepping Toward Disposable Electronics: Integrated Papertronic Techniques	National Science Foundation	100%	\$450,000	6/1/2023	5/31/2026
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	ASCENT: Integrated Biofuel Cell Systems for Green and Sustainable Internet of Things	National Science Foundation	60%	\$900,000	1/1/2024	12/31/2027
Seokheun Choi	Electrochemically Active Bio-Electrodes with Artificial Microbial Consortia for Environmental Remediation and Sustainable Bioenergy Production	National Science Foundation	100%	\$420,000	9/1/2023	8/31/2026
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
Tara Dhakal	Development of Sustainable Halide Perovskite Solar Cells to Reduce Lead and Iodine Leaching into the Environment	Environmental Protection Agency	25%	\$94,444	11/1/2023	10/31/2025
Tara Dhakal	NYSTAR Matching Grants Program: Perovskite Hydrogen Production	Empire State Development Corp	100%	\$191,084	8/1/2023	7/31/2026

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Tara Dhakal	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Wenfeng Zhao	Towards Large-Scale Beyond 1,000-Channel Wireless Neural Recording	National Inst of Neurological Disorders & Stroke	100%	\$2,030,064	4/1/2024	3/31/2029
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
Wenfeng Zhao	ASCENT: Integrated Biofuel Cell Systems for Green and Sustainable Internet of Things	National Science Foundation	20%	\$300,000	1/1/2024	12/31/2027
Wenfeng Zhao	DURIP: CRITI-Q: an Integrated Testbed for National Critical Infrastructure Security Research in the Post Quantum Era	US Air Force Office of Scientific Research	20%	\$150,591	2/1/2024	1/31/2025
Wenfeng Zhao	OpenCOCO: Open-Source CO-design and CO-compilation of Multiplier-Less Deep Learning Accelerator Generator and Memory Compiler 2.0	US Department of Energy	100%	\$874,999	10/1/2023	9/30/2028
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
Xiaohua Li	DURIP: CRITI-Q: an Integrated Testbed for National Critical Infrastructure Security Research in the Post Quantum Era	US Air Force Office of Scientific Research	20%	\$150,591	2/1/2024	1/31/2025
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
Yu Chen	Understanding and Deterring Misinformation in Post-Truth Era	University of Rochester	25%	\$15,000	9/1/2023	8/31/2024

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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	DURIP: CRITI-Q: an Integrated Testbed for National Critical Infrastructure Security Research in the Post Quantum Era	US Air Force Office of Scientific Research	40%	\$301,182	2/1/2024	1/31/2025
Ziang Zhang	GOALI: ASCENT: Online stability assessment, flexibility, and enhancement of IBR-dominated Power Systems	National Science Foundation	100%	\$1,233,079	11/1/2023	10/31/2026
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
				Total # Credited	25.59	
				Total \$ Credited	\$19,820,491	

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
				Total # Credited	0.50	
				Total \$ Credited	\$75,000	

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	FuzeHub: Increasing Thin Flexible Fuel Cell Manufacturing Throughput by Integrated Array	FuzeHub	100%	\$50,000	6/1/2023	5/31/2024

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Olga Petrova	ART: Binghamton Excellence in Entrepreneurship and Discovery (EXCEED)	National Science Foundation	50%	\$3,000,000	1/1/2024	12/31/2027
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
Per Stromhaug	FuzeHub: Processing Expansion for Syracuse Low-Carbon Concrete	FuzeHub	100%	\$50,000	9/1/2023	8/31/2024
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	ART: Binghamton Excellence in Entrepreneurship and Discovery (EXCEED)	National Science Foundation	50%	\$3,000,000	1/1/2024	12/31/2027
Per Stromhaug	NENY XCEED Innovation Workforce	Appalachian Regional Commission	100%	\$250,000	1/1/2023	6/30/2024
Per Stromhaug	I-Corps Teams: Thin Flexible Fuel Cell	National Science Foundation	100%	\$50,000	4/3/2023	4/2/2024
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
Per Stromhaug	NENY Technology Development Voucher Program	Appalachian Regional Commission	100%	\$250,000	1/1/2023	6/30/2024

<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 **13.00**
Total \$ Credited **\$17,157,950**

020 Geological Sci & Environmental Studies

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
Adriane Lam	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
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
Alex Nikulin	NSF I-CORPS: Delivering Integrated UAS Technology for Automated Wide-Area Humanitarian Mine Action Surveys	National Science Foundation	100%	\$50,000	2/1/2023	1/31/2024
Molly Patterson	Participation of Halima Ibrahim on IODP Expedition 395	Trustees of Columbia University	100%	\$19,999	6/12/2023	6/11/2024
Molly Patterson	CLB Supplement for Award 2000997	National Science Foundation	100%	\$18,042	8/1/2022	7/31/2023
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

<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>
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
			Total # Credited	8.81		
			Total \$ Credited	\$876,224		

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
			Total # Credited	2.00		
			Total \$ Credited	\$214,725		

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
Matt Gallagher	Library Collections 2022-2023	NYS Education Department	100%	\$23,026	7/1/2022	6/30/2023
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

<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 **3.00**
Total \$ Credited **\$336,539**

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	Construction and analysis methods for screening experiments	Simons Foundation	100%	\$42,000	6/1/2023	5/31/2028
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

Total # Credited **4.20**
Total \$ Credited **\$725,599**

020 Mechanical Engineering

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	Multi Jet Cooling for High TDP Using Standard Warm Water	Intel Corporation	100%	\$598,814	7/1/2023	6/30/2026
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

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Bahgat Sammakia	Collaborative: FuSe: A Holistic Co-design Methodology for Realizing Future System-in-a-Package Architectures	National Science Foundation	34%	\$410,250	1/1/2024	12/31/2026
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	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
Bahgat Sammakia	SCALE: A Microelectronic Workforce Development Production Project	Purdue University	34%	\$59,500	4/1/2023	3/31/2024
Bahgat Sammakia	Compact Condensers Enabled by Print-to-Cast Additive Manufacturing (sub-in)	Villanova University	100%	\$42,000	8/1/2023	7/31/2024
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: Mechanics of Tough and 3D Printable Ceramic Nanocomposites: Bridging Scales between Nanoscale Interfacial Properties and Bulk Fracture Toughening	National Science Foundation	100%	\$413,554	8/1/2023	7/31/2026
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
Changhong Ke	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029

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Changhong Ke	DMREF: Accelerated discovery of high-temperature corrosion-resistant alloys	National Science Foundation	20%	\$400,000	9/1/2023	8/31/2027
Cosan Daskiran	Off-grid tidal turbine-driven centrifugal reverse osmosis system	US Department of Energy	100%	\$607,819	9/1/2023	8/31/2026
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
Dehao Liu	DMREF: Accelerated discovery of high-temperature corrosion-resistant alloys	National Science Foundation	20%	\$400,000	9/1/2023	8/31/2027
Dehao Liu	Physics-Constrained Scientific Machine Learning for Fusion Reactor Materials Design	US Department of Energy	100%	\$707,482	8/1/2023	7/31/2026
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	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
Guangwen Zhou	DMREF: Accelerated discovery of high-temperature corrosion-resistant alloys	National Science Foundation	20%	\$400,000	9/1/2023	8/31/2027
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
James Pitarresi	S-STEM: Building community, broadening opportunities, and training the next generation of mechanical engineers	National Science Foundation	34%	\$850,000	9/1/2023	8/31/2028
Jingzhou Zhao	Collaborative Research: Thermal Drawing of Composite Fibers for Wearable Supercapacitor Textiles	National Science Foundation	100%	\$244,203	9/1/2022	8/31/2025

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Junghyun Cho	Mechanistic Understanding of the Cu/Oxide Hybrid Bonding	SUNY Central Administration	100%	\$100,000	9/1/2022	8/31/2023
Kaiyan Yu	REU Supplement Request: CAREER: Simultaneous and Independent Control of Nanostructured Objects Through the Use of Coupled External Electric Fields	National Science Foundation	100%	\$8,000	9/1/2023	8/31/2024
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	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
Mirjalil Razaviaghjeh	CAREER: Multiscale Mechanics of Brain Folding in Health and Disease	National Science Foundation	100%	\$547,436	1/1/2023	12/31/2027
Mohammad Younis	Mode Localization and Veering for New Superior Sensors	National Science Foundation	100%	\$477,469	9/1/2023	8/31/2026
Mohammad Younis	Collaborative Research: A Highly Sensitive Sensing Platform for Explosives Detection Based on a New Nanocomposite and Novel MEMS Transduction Techniques	National Science Foundation	100%	\$443,233	1/15/2024	1/14/2027
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

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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
Mohammad Younis	Toward Energy-Efficient Computing and Sensory Systems: MEMS Logic Gates with Direct Inputs from Sensors	National Science Foundation	100%	\$488,454	2/1/2024	1/31/2027
Paul Chiarot	S-STEM: Building community, broadening opportunities, and training the next generation of mechanical engineers	National Science Foundation	33%	\$825,000	9/1/2023	8/31/2028
Pong-Yu Huang	S-STEM: Building community, broadening opportunities, and training the next generation of mechanical engineers	National Science Foundation	33%	\$825,000	9/1/2023	8/31/2028
Pu Zhang	DOE SBIR Phase II: Polymer-Based Conformal Space Radiation Shield with Thermal Management Manufactured by Five-Axis 3D Printing Platform	Advanced Cooling Technologies	100%	\$180,000	8/21/2023	8/20/2025
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	DMREF: Accelerated discovery of high-temperature corrosion-resistant alloys	National Science Foundation	20%	\$400,000	9/1/2023	8/31/2027
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

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Scott Schiffres	SCALE: A Microelectronic Workforce Development Production Project	Purdue University	33%	\$57,750	4/1/2023	3/31/2024
Scott Schiffres	Collaborative Research: FuSe: Heterogeneous Integration of High Power GaN-Enabled Millimeter-Wave Digital Array with Integrated Cooling through Co-designed Antennas	National Science Foundation	100%	\$350,000	11/1/2023	10/31/2026
Scott Schiffres	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	5%	\$900,000	7/1/2023	6/30/2029
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	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
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	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	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

<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	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
Seungbae Park	SCALE: A Microelectronic Workforce Development Production Project	Purdue University	33%	\$57,750	4/1/2023	3/31/2024
Seungbae Park	Micro-bump Scaling	SUNY Central Administration	100%	\$100,001	9/1/2022	8/31/2023
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	R21:Smart Bra for Early Breast Cancer Detection	National Institutes of Health	50%	\$214,320	1/1/2024	12/31/2025
Shahrzad Towfighian	Supplement: MEMS High Voltage Triboelectric Levitation: A Generactuator	National Science Foundation	100%	\$74,204	5/31/2023	5/30/2024
Srikanth Rangarajan	Collaborative: FuSe: A Holistic Co-design Methodology for Realizing Future System-in-a-Package Architectures	National Science Foundation	33%	\$398,184	1/1/2024	12/31/2026
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	Experiments and Modeling of Cellular Interactions and Toxicity of Nanoplastics in Blood	National Inst of Environmental Health Sciences	50%	\$204,363	1/1/2024	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
Xin Yong	FMRG: Bio: Print-Spray Manufacturing (PriSM) for Multiscale Biofunctional Architectures	National Science Foundation	100%	\$353,000	1/1/2024	12/31/2027

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Xin Yong	GOALI: Nanoscale interactions at interface: how do Janus nanoparticles win the race to the interface?	National Science Foundation	100%	\$240,000	1/1/2024	12/31/2026
			Total # Credited	45.77		
			Total \$ Credited	\$25,454,930		

020 Pharmaceutical Sciences

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
Elizabeth Hageman	A new Entry-level and Advanced-level Pharmacy Technician Education and Training program at Binghamton University	Empire State Development Corp	25%	\$187,500	9/1/2023	8/31/2025
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
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	A new Entry-level and Advanced-level Pharmacy Technician Education and Training program at Binghamton University	Empire State Development Corp	25%	\$187,500	9/1/2023	8/31/2025
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
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

<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>
Katie Edwards	Synergistic Combination Therapy for Duchenne Muscular Dystrophy	National Institutes of Health	70%	\$302,225	7/1/2023	6/30/2025
Katie Edwards	FLIPOSpot: 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
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
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	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	Optimization of TLR7 ADCs for the Treatment of Cancer	Heidelberg Pharma Research GmbH	100%	\$447,568	12/1/2022	11/30/2024
L. Nathan Tumey	Optimization of TLR7 ADCs for the Treatment of Cancer	Iksuda Therapeutics Limited	100%	\$447,568	9/1/2022	8/31/2024
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	NIH basic instrumentation grant - BioAccord LCMS	National Institute of General Medical Sciences	100%	\$249,412	2/1/2024	1/31/2025
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

<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>
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
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	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
Mohammad Ali	Nuclear MMP-2 as a Novel Mediator in Osteosarcoma Migration	Alex's Lemonade Stand Foundation	100%	\$719,419	2/1/2024	1/31/2028
Tao Zhang	Advancing Bioequivalence Determination of Non-Solution Ophthalmic Drugs by Considering the Impact of Ocular Metabolizing Enzymes and Transporters	US Food and Drug Administration	100%	\$896,573	10/1/2023	9/30/2026
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
Tao Zhang	Understand Drug Distribution to Tissues to Advance Whole Body Pharmacokinetics	National Institute of General Medical Sciences	100%	\$1,928,300	7/1/2024	6/30/2029
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

<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	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
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
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
Tracy Brooks	Cannabinoid mediated effects on vincristine efficacy and CIPN	National Cancer Institute	100%	\$431,750	1/1/2024	12/31/2025
William Eggleston	Evaluating the Impact and Feasibility of an OPC	Catholic Charities of Onondaga County	100%	\$49,140	6/1/2023	5/31/2024
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
				Total # Credited	30.30	
				Total \$ Credited	\$14,637,986	

020 Pharmacy Practice

Kenneth McCall	A new Entry-level and Advanced-level Pharmacy Technician Education and Training program at Binghamton University	Empire State Development Corp	25%	\$187,500	9/1/2023	8/31/2025
Sarah Spinler	A new Entry-level and Advanced-level Pharmacy Technician Education and Training program at Binghamton University	Empire State Development Corp	25%	\$187,500	9/1/2023	8/31/2025
				Total # Credited	0.50	
				Total \$ Credited	\$375,001	

<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 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
			Total # Credited	0.14		
			Total \$ Credited	\$255,628		

020 Physics

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	Collaborative Research: FuSe: Designing, tuning, and harnessing magnetism in large-area two-dimensional semiconductors	National Science Foundation	50%	\$300,000	11/1/2023	10/31/2026
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
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
Elena Margine	Renewal Proposal: Toward Exascale Computing of Electron-Phonon Couplings for Finite-Temperature Materials Design Sub-in	University of Texas at Austin	100%	\$449,997	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

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Jeffrey Mativetsky	R21: Mask-integrated Respiratory Health Monitoring	National Institutes of Health	50%	\$213,243	4/1/2023	3/31/2025
Jeffrey Mativetsky	Collaborative Research: Wearable, Situation-aware Respiratory Health Monitoring	National Science Foundation	50%	\$199,596	2/1/2023	1/31/2026
Jeffrey Mativetsky	Crystallization, Patterning, and Device Integration on Non-developable Surfaces	National Science Foundation	100%	\$388,403	9/1/2023	8/31/2026
Jeffrey Mativetsky	I-Corps: A Wearable Platform for Assessing Respiratory Health	National Science Foundation	100%	\$50,000	4/17/2023	4/16/2024
Jeffrey Mativetsky	Universal Instruments Sponsored Research Agreement FP10153	Universal Instruments Corporation	100%	\$36,000	2/1/2022	1/31/2023
Jeffrey Mativetsky	A Scalable Light Recycling Hole Transport Layer	US Department of Energy	60%	\$150,000	1/1/2024	12/31/2024
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
Manuel Smeu	Center FOR Chemical Electrodecarbonization (C-FORCE)	New York University	100%	\$749,995	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
Zhong Lin	Collaborative Research: FuSe: Designing, tuning, and harnessing magnetism in large-area two-dimensional semiconductors	National Science Foundation	50%	\$300,000	11/1/2023	10/31/2026

<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>
Zhong Lin	Collaborative Research: DMREF: Discovery and Design of Artificial Misfit Layered Compounds	National Science Foundation	100%	\$641,396	10/1/2023	9/30/2027
			Total # Credited	14.81		
			Total \$ Credited	\$7,689,523		

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
Ekrem Karakoc	Understanding and Deterring Misinformation in Post-Truth Era	University of Rochester	25%	\$15,000	9/1/2023	8/31/2024
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
seden akcinaroglu	Understanding and Deterring Misinformation in Post-Truth Era	University of Rochester	25%	\$15,000	9/1/2023	8/31/2024
			Total # Credited	1.61		
			Total \$ Credited	\$409,851		

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
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

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Brandon Gibb	F31: Fellowship support for Elana Israel: Neural Indices of Social and Monetary Reward Processing as Predictors of Real-World Pleasure and Affect in Adolescents at Risk for Depression	National Institute of Mental Health	100%	\$87,388	9/1/2023	8/31/2025
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
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%	\$53,224	4/1/2024	3/31/2029
Christopher Bishop	F31: Fellowship Support for Ashley Centner: Ectopic Autoregulation of Raphesriatal Dopamine Release in L-DOPA-induced Dyskinesia	National Inst of Neurological Disorders & Stroke	100%	\$65,504	4/1/2023	3/31/2025
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 Raphesriatal Dopamine Release in L-DOPA-induced Dyskinesia	National Inst of Neurological Disorders & Stroke	100%	\$65,504	7/1/2023	6/30/2025
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

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David Werner	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
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	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
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	Telehealth adaptation of a motivational smoking intervention targeted for smokers in pain	National Institute on Drug Abuse	100%	\$441,826	4/1/2024	3/31/2026
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
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
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

<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	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
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 - Main 2	National Institute for Alcohol Abuse & Alcoholism	100%	\$1,462,250	9/1/2024	8/31/2029
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
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 - 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	Resubmission: Supplement to Promote Diversity for Stephen Day: Recovery of Adolescent Alcohol Disruption of Basal Forebrain-Cortical Projection Circuits	National Institute for Alcohol Abuse & Alcoholism	100%	\$311,613	9/1/2023	8/31/2025

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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
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
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%	\$139,000	9/1/2023	8/31/2025
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	The Power of Friends in Preventing Alcohol-Involved Sexual Assault Risk in College Women: A Dyad-Based MI Approach	University at Buffalo	100%	\$113,089	4/1/2024	3/31/2029
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
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%	\$479,012	4/1/2024	3/31/2029
Nadine Mastroleo	F31: Fellowship Support for Sage Feltus: Investigating person and day level predictors of protective behavioral strategy use during simultaneous alcohol and cannabis use: A mixed methods study	National Institute for Alcohol Abuse & Alcoholism	100%	\$87,388	9/1/2023	8/31/2025

<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>
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
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	Microglia, fractalkine, and fetal alcohol exposure	Ursinus College	100%	\$65,139	5/1/2024	4/30/2026
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
Terrence Deak	Developmental Exposure Alcohol Research Center - Admin Core	National Institute for Alcohol Abuse & Alcoholism	90%	\$883,125	9/1/2024	8/31/2029
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>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	42.00		
			Total \$ Credited	\$20,504,453		

020 Public Archaeology Facility

Laurie Miroff	Phase 1A Archaeological Assessment, Riga Solar Project (22PR05328)	Liberty Power	100%	\$2,754	9/27/2022	9/26/2023
Laurie Miroff	Phase 1A Archaeological Assessment, National Grid Micron 345 kV Electric Service Project	GZA GeoEnvironmental Incorporated	100%	\$3,994	6/15/2023	6/14/2024
Laurie Miroff	Phase 1B Archaeological Survey of West Park Street Gas Main Replacement	GZA GeoEnvironmental Incorporated	100%	\$3,357	6/12/2023	6/11/2024
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/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	St. Regis River Solar	LaBella Associates	100%	\$5,049	8/4/2022	8/3/2023
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 1A Archaeological Assessment, Spring Mountain Solar Project, Town of Schwenksville, PA	LaBella Associates	100%	\$2,443	5/9/2023	5/8/2024
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	Phase 1B Archaeological Survey, Riga Solar Project Village, Churchville, Monroe County, New York	Liberty Power	100%	\$9,203	2/1/2023	1/31/2024

<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>
Laurie Miroff	Urban Archaeology Corps Program 2021 - Modification	National Park Service	100%	\$41,426	3/1/2023	2/29/2024
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
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 1B Archaeological Survey and archaeological monitoring plan of Pipeline 12	GZA GeoEnvironmental Incorporated	100%	\$4,373	6/15/2023	6/14/2024
Laurie Miroff	Geophysical Survey for Tioga County, New York	Tioga County	100%	\$1,833	5/24/2023	5/23/2024
Laurie Miroff	Phase 1A archaeological Assessment, Harnick Road over Apalachin Creek Project, Town of Owego, Tioga County, New York	Delta Engineers	100%	\$1,953	4/24/2023	4/23/2024
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/I B Archaeological Survey, Town of Lansing Chip Storage Facility Project, Town of Lansing, Tompkins County, New York	Town of Lansing	100%	\$2,964	6/12/2023	6/11/2024
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 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 Archaeological Assessment, Skaneateles Water Line Project	C&S Companies	100%	\$2,877	6/13/2023	6/12/2024

<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>
Laurie Miroff	PIN 3756.22 Canalways Trail - Salina Extension Project, Phase 1A/1B Archaeological Assessment and Survey	Anchor QEA LLC	100%	\$7,718	5/5/2023	5/4/2024
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
Laurie Miroff	Phase 1 Archaeological Survey Horner Farmstead Project	Bragman Companies	100%	\$17,312	5/17/2023	5/16/2024
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	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	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	Phase 1A/1B Archaeological Survey, CR97 & Brown Road over Fish Creek Project	Foit-Albert Associates	100%	\$7,480	4/17/2023	4/16/2024
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	Archaeological Screening Memo and Phase 1A Archaeological Assessment of the Colton Malone 115k Rebuild Project	GZA GeoEnvironmental Incorporated	100%	\$13,649	5/3/2023	5/2/2024

<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>
Laurie Miroff	Phase 1A/1B Archaeological Survey, NY Rome Old Oneida Road Solar Farm Project (23PR03990)	C&S Companies	100%	\$8,643	6/16/2023	6/15/2024
Laurie Miroff	Phase 1A/1B Archaeological Survey, Catskill Montessori School Expansion Project, Town of Catskill, Greene County, New York	Catskill Montessori School	100%	\$2,993	4/21/2023	4/20/2024
Laurie Miroff	Sellu Garage Wetland Permitting	Edgewood Environmental Consulting Limited Liability Corporation	100%	\$2,491	9/28/2022	9/27/2023
Laurie Miroff	Architectural Survey, Church Street over Tannery Brook Culvert Replacement Project, New York	Foit-Albert Associates	100%	\$3,948	5/2/2023	5/1/2024
Laurie Miroff	Phase 1A/1B Archaeological Survey, Elmira Civil War Prison Camp, City of Elmira, Chemung County, New York	Friends of the Elmira Civil War Prison Camp	100%	\$4,652	6/6/2023	6/5/2024
Laurie Miroff	Phase 1A Archaeological Assessment, National Grid PL 12 Glens Falls Repair Project, City of Glens Falls and Town of Moreau, New York	GZA GeoEnvironmental Incorporated	100%	\$2,553	3/13/2023	3/12/2024
Laurie Miroff	Phase 1A Archaeological Assessment, W. Park Street Gas Replacement Project	GZA GeoEnvironmental Incorporated	100%	\$2,376	5/1/2023	4/30/2024
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
			Total # Credited	40.00		
			Total \$ Credited	\$257,520		

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

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Steven Czarnecki	Congressional Directed Spending Request: Cleanroom Equipment for Electronics Manufacturing Workforce Development	US Department of Education	100%	\$1,900,000	4/1/2023	3/31/2024
Steven Czarnecki	NSF Engines: Upstate Makes: A Materials Innovation Engine for Manufacturing Sustainability	FuzeHub	100%	\$399,999	7/1/2023	6/30/2025
			Total # Credited	3.20		
			Total \$ Credited	\$3,248,987		

020 School of Management

Bryan Acton	Rater Memory: The Missing Link to Improve Measurement and Validity (Tiffany Keller Hansbrough)	US Army Research Institute	30%	\$282,913	9/1/2023	8/31/2026
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
Chou-Yu Tsai	IGE: Enhancing Graduate Students' Professional Readiness and Competitiveness through Transdisciplinary Training on the Orthogonal Curricular Matrix	National Science Foundation	20%	\$100,000	10/1/2023	9/30/2026
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
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
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

<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
Rory Eckardt	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
Seyedeh Saeideh Mirghorbani	Equity in Food Assistance Programs	National Science Foundation	50%	\$37,500	6/1/2023	5/31/2024
Shahab Derhami	Equity in Food Assistance Programs	National Science Foundation	50%	\$37,500	6/1/2023	5/31/2024
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
Shelley Dionne	Rater Memory: The Missing Link to Improve Measurement and Validity (Tiffany Keller Hansbrough)	US Army Research Institute	70%	\$660,130	9/1/2023	8/31/2026
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
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
Thi Tran	Understanding and Deterring Misinformation in Post-Truth Era	University of Rochester	25%	\$15,000	9/1/2023	8/31/2024
				Total # Credited	7.92	
				Total \$ Credited	\$2,598,690	

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)

Ankit Bansal	Global Centers Track 1: NSF Global Center for Net-Zero Transitions	Princeton University	20%	\$67,889	9/1/2023	8/31/2028
Ankit Bansal	Integrating Systems Engineering and Operations Research to Improve Perioperative Anesthesia Handoffs	University of Illinois Urbana Champaign	100%	\$419,861	1/1/2024	12/31/2028
Ankit Bansal	Improving the safety of anesthesia-related handoffs in the perioperative process	West Virginia University	100%	\$319,705	9/1/2023	8/31/2027
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 and Control towards Resilient and Sustainable Distributed Manufacturing Systems	FACE Foundation	100%	\$10,000	10/1/2022	9/30/2024
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 for Topology Design of Dynamic Transport Networks	Meta Platforms Incorporated	100%	\$50,000	1/1/2023	12/31/2023
Changqing Cheng	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment (AMD 2)	Foxconn Industrial Internet dba FII USA Incorporated	20%	\$2,800	5/19/2023	5/18/2024
Changqing Cheng	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment AMD 1	Foxconn Industrial Internet dba FII USA Incorporated	20%	\$11,080	3/26/2023	8/25/2023

<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>
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
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
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
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	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains AMD 2 - 23-24	Lattice Semiconductor	33%	\$44,009	5/29/2023	5/28/2024
Daehan Won	Performance Improvement of Clinical Practices and Operations Research 2022-23	LiveOnNY	25%	\$15,633	5/16/2022	5/15/2023
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
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

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Daehan Won	CAREER: Data-driven Approaches in Autism Spectrum Disorder	National Science Foundation	100%	\$500,000	2/1/2023	1/31/2028
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 Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment AMD 1	Foxconn Industrial Internet dba FII USA Incorporated	20%	\$11,080	3/26/2023	8/25/2023
Daryl Santos	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment (AMD 2)	Foxconn Industrial Internet dba FII USA Incorporated	20%	\$2,800	5/19/2023	5/18/2024
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 Electronics Manufacturing at a New Product Introduction Facility	Sanmina Corporation	50%	\$33,613	11/22/2022	11/21/2023
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	Applied Research of Part Assembly and Process Automation in the Electronics Packaging Industry	Sanmina Corporation	50%	\$33,613	6/14/2023	6/13/2024
Fuda Ning	ADDITIVE MANUFACTURING OF IRRADIATION-TOLERANT OXIDE DISPERSION STRENGTHENED MATERIAL	West Virginia University	100%	\$349,999	10/1/2023	9/30/2026
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 and Automation Engineering	Sanmina Corporation	50%	\$33,613	11/1/2022	10/31/2023
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	Research in Manufacturing Engineering at a New Product Introduction Facility	Sanmina Corporation	50%	\$33,613	8/29/2022	8/28/2023
Fuda Ning	Research in Automation Software Engineering for Electronics Packaging	Sanmina Corporation	50%	\$33,613	11/30/2022	11/29/2023
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	Autonomous Uncertainty Evaluation and Trust Formation among Collective Agents in Space and UAS Applications	Critical Technologies Incorporated	100%	\$59,999	6/1/2023	5/31/2024
Hiroki Sayama	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	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	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
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

<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>
Hiroki Sayama	IGE: Enhancing Graduate Students' Professional Readiness and Competitiveness through Transdisciplinary Training on the Orthogonal Curricular Matrix	National Science Foundation	20%	\$100,000	10/1/2023	9/30/2026
Hiroki Sayama	Juxtaware: Automated Situational Awareness for Collaboration of Mobile Human Groups	Technergetics, LLC	100%	\$24,999	6/1/2023	5/31/2024
Jia Deng	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment AMD 1	Foxconn Industrial Internet dba FII USA Incorporated	20%	\$11,080	3/26/2023	8/25/2023
Jia Deng	Toward autonomy-enabled mechanical-based nanomachining	National Science Foundation	50%	\$297,974	1/1/2024	12/31/2026
Jia Deng	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment (AMD 2)	Foxconn Industrial Internet dba FII USA Incorporated	20%	\$2,800	5/19/2023	5/18/2024
Jia Deng	CAREER: Probe-Based Hybrid Nanopatterning of Conductive Polymers	National Science Foundation	100%	\$612,501	7/1/2023	6/30/2028
Krishnaswami Srihari	Research in Electronics Manufacturing and Automation Engineering	Sanmina Corporation	50%	\$33,613	11/1/2022	10/31/2023
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	Performance Improvement Initiatives for Northwell Health Central Region Ambulatory Operations	Northwell Health	50%	\$34,879	2/20/2023	2/19/2024
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	Inventory Optimization and Process Automation for Raymond Logistics	Raymond Corporation	34%	\$20,295	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>
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	Supporting Continuous Improvement Team's Effort in the Project RESET	Raymond Corporation	34%	\$20,295	2/13/2023	2/12/2024
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	Model Level Integrated Architecture for Collaborative Development (CAMLI)	RTSync Corporation	33%	\$56,091	1/1/2023	12/31/2024
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	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	Research in Quality Management in Electronics Manufacturing and Packaging	Sanmina Corporation	50%	\$33,613	11/28/2022	11/27/2023
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	Applied Research of Part Assembly and Process Automation in the Electronics Packaging Industry	Sanmina Corporation	50%	\$33,613	6/14/2023	6/13/2024
Krishnaswami Srihari	Quality and Reliability Engineering for Complex Surface Mount Devices	Smart Modular Technologies Inc	50%	\$13,029	8/16/2022	12/15/2022

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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	Continuous Performance Improvement Research and Implementation at Mount Sinai (AMD 8)	Mount Sinai Medical Center	50%	\$115,049	5/10/2023	5/9/2024
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	Research in Manufacturing Engineering at a New Product Introduction Facility	Sanmina Corporation	50%	\$33,613	8/29/2022	8/28/2023
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	Advanced Assembly Process Research and Development for Complex Surface Mount Device	Smart Modular Technologies Inc	50%	\$34,993	9/26/2022	9/25/2023
Krishnaswami Srihari	Application Engineering Support for Technical Solutions in Battery Energy Storage Systems AMD 4	EOS Energy Enterprises	50%	\$32,152	8/21/2023	8/20/2024
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	Process Analysis and Performance Excellence for Integrated Delivery Care Systems (AMD 3)	Montefiore Hospital and Medical Center	33%	\$22,693	6/1/2023	5/31/2024
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	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	Organization Excellence Support at Christiana Care Health (2023-2024) AMD 7	Christiana Care Health Services Incorporated	33%	\$20,790	5/15/2023	5/14/2024

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Krishnaswami Srihari	Advanced Analytics for Strategic Decision-Making in Healthcare Systems	Cooper University Health Care	33%	\$42,423	1/3/2023	1/2/2024
Krishnaswami Srihari	Application Engineering Support for Technical Solutions in Battery Energy Storage Systems AMD 3	EOS Energy Enterprises	50%	\$6,855	5/15/2023	5/14/2024
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	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment AMD 1	Foxconn Industrial Internet dba FII USA Incorporated	20%	\$11,080	3/26/2023	8/25/2023
Krishnaswami Srihari	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment (AMD 2)	Foxconn Industrial Internet dba FII USA Incorporated	20%	\$2,800	5/19/2023	5/18/2024
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	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	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
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

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Krishnaswami Srihari	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains AMD 2 - 23-24	Lattice Semiconductor	34%	\$45,343	5/29/2023	5/28/2024
Krishnaswami Srihari	Pharmacy System Design Validation and Principle Development Through Data Analytics and Simulation Modeling	Innovation Associates Doing Business As iA	34%	\$101,997	5/15/2023	5/14/2024
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
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	Packaging System Design R&D and Engineering Support	Analog Devices, Incorporated	100%	\$139,970	1/16/2023	1/15/2024
Krishnaswami Srihari	Battery Performance Degradation Prediction and Market Bidding Optimization Using Artificial Intelligence, Machine Learning, and Stochastic Optimization AMD 2	GE Grid Solutions	50%	\$32,291	4/19/2024	4/18/2025
Krishnaswami Srihari	Performance Improvement of Clinical Practices and Operations Research 2022-23	LiveOnNY	25%	\$15,633	5/16/2022	5/15/2023
Luis Rocha	Collaborative Research: IHBEM: Disease spread in multiplex networks: the effect of bridge nodes for detection and control of epidemic and endemic diseases.	National Science Foundation	50%	\$155,144	10/15/2023	10/14/2026
Mark Poliks	PC8.4: Electrojet/ZTACHr ACE Scalable Manufacturing of FHE Device	NextFlex	100%	\$500,000	10/1/2023	9/30/2024
Mark Poliks	PC8.3: High Reliability Conformal EMI shielding and Liquid TIMs for Extreme Environments	NextFlex	100%	\$500,000	10/1/2023	9/30/2024
Mark Poliks	PC8.6: Electrojet System for Increased Manufacturing Capabilities	NextFlex	100%	\$399,999	10/1/2023	9/30/2024

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Mark Poliks	PC 8.6: Flexible distributed sensor system with robust component attachment for environmental monitoring in harsh environments	NextFlex	100%	\$400,000	10/1/2023	9/30/2024
Mark Poliks	PC 8.4: Manufacturing Process Development for Roll to Roll FHE Devices	NextFlex	100%	\$500,001	10/1/2023	9/30/2024
Mark Poliks	PC8.5: Low Cost low power conformal wireless solar powered health monitor	NextFlex	100%	\$500,000	10/1/2023	9/30/2024
Mark Poliks	PC8.1: 3D Printed Electronics with Multi Jet Fusion for Additively	NextFlex	100%	\$500,000	10/1/2023	9/30/2024
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	RF and Photonic Heterogenous Assemblies Enabling Leadership in packaging (RAPHAEL)	SUNY Polytechnic Institute	100%	\$900,000	1/1/2024	12/31/2028
Mark Poliks	FMRG: BIO: Biohybrid Electronic and Photonic Devices	SUNY Polytechnic Institute	100%	\$180,000	9/15/2023	9/14/2027
Mark Poliks	PC8.1: High Resolution Copper Printing for RF Antenna and Multi-Layer Balun Structures	NextFlex	100%	\$500,000	10/1/2023	9/30/2024
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	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

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Mark Poliks	Aerosol Jet Printing at the Center for Advanced Microelectronics Manufacturing (CAMM), Binghamton University	Micro Precision Technologies Incorporated	100%	\$45,000	7/1/2023	6/30/2024
Mark Poliks	PC8.3: Additively Packaged MEM IMU for Harsh Environment Reliability	NextFlex	100%	\$500,001	10/1/2023	9/30/2024
Mark Poliks	Scalable manufacturing of optically clear microelectrode biosensors using conductive inks.	FuzeHub	100%	\$50,000	9/1/2023	8/31/2024
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	SBIR Phase II: Quick-Turn Spaceborne Printed Circuit Boards	Micro Precision Technologies Incorporated	100%	\$235,000	9/1/2023	8/31/2025
Mark Poliks	R21:Smart Bra for Early Breast Cancer Detection	National Institutes of Health	50%	\$214,320	1/1/2024	12/31/2025
Mark Poliks	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
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	PC 8.6: FHE Heating System Benchmarking for Cold Weather Soldier Systems	NextFlex	100%	\$400,001	10/1/2023	9/30/2024
Mark Poliks	PC8.1: Passive High-Temperature Sensing for Aero Applications	NextFlex	100%	\$500,000	10/1/2023	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

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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	Process Analysis and Performance Excellence for Integrated Delivery Care Systems (AMD 3)	Montefiore Hospital and Medical Center	34%	\$23,380	6/1/2023	5/31/2024
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	Continuous Performance Improvement Research and Implementation at Mount Sinai (AMD 8)	Mount Sinai Medical Center	50%	\$115,049	5/10/2023	5/9/2024
Mohammad Khasawneh	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment (AMD 2)	Foxconn Industrial Internet dba FII USA Incorporated	20%	\$2,800	5/19/2023	5/18/2024
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	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	Paratemporal Simulation with Uncertainty Quantification	RTSync Corporation	33%	\$17,842	12/1/2022	11/30/2023
Mohammad Khasawneh	Model Level Integrated Architecture for Collaborative Development (CAMLI)	RTSync Corporation	33%	\$56,091	1/1/2023	12/31/2024
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
Mohammad Khasawneh	Continuous Performance Improvement and System Modeling Support for TidalHealth AMD 2	TidalHealth	50%	\$22,637	12/10/2022	8/9/2023
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

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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	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	Applied Research in Assembly, Reliability, and Costing for a Global Manufacturer of Electronic Equipment AMD 1	Foxconn Industrial Internet dba FII USA Incorporated	20%	\$11,080	3/26/2023	8/25/2023
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	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	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 Analytics for Strategic Decision-Making in Healthcare Systems	Cooper University Health Care	34%	\$43,709	1/3/2023	1/2/2024
Mohammad Khasawneh	Organization Excellence Support at Christiana Care Health (2023-2024) AMD 7	Christiana Care Health Services Incorporated	34%	\$21,420	5/15/2023	5/14/2024
Mohammad Khasawneh	Performance Improvement of Clinical Practices and Operations Research 2022-23	LiveOnNY	25%	\$15,633	5/16/2022	5/15/2023
Neha Patankar	Global Centers Track 1: NSF Global Center for Net-Zero Transitions	Princeton University	80%	\$271,558	9/1/2023	8/31/2028
Peter Borgesen	CHIRP: Optimizing Reliability of Solder Joints Reflowed at Temperatures Below 140C	Purdue University	100%	\$149,997	1/1/2023	12/31/2025
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

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Sangwon Yoon	Performance Improvement of Clinical Practices and Operations Research 2022-23	LiveOnNY	25%	\$15,633	5/16/2022	5/15/2023
Sangwon Yoon	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains AMD 2 - 23-24	Lattice Semiconductor	33%	\$44,009	5/29/2023	5/28/2024
Sangwon Yoon	Model Level Integrated Architecture for Collaborative Development (CAMLI)	RTSync Corporation	34%	\$57,791	1/1/2023	12/31/2024
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	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	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	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

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Sangwon Yoon	Pharmacy System Design Validation and Principle Development Through Data Analytics and Simulation Modeling	Innovation Associates Doing Business As iA	33%	\$98,997	5/15/2023	5/14/2024
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
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	Inventory Optimization and Process Automation for Raymond Logistics	Raymond Corporation	33%	\$19,698	8/15/2022	8/14/2023
Sarah Lam	Organization Excellence Support at Christiana Care Health (2023-2024) AMD 7	Christiana Care Health Services Incorporated	33%	\$20,790	5/15/2023	5/14/2024
Sarah Lam	Advanced Analytics for Strategic Decision-Making in Healthcare Systems	Cooper University Health Care	33%	\$42,423	1/3/2023	1/2/2024
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	GCR: Flexible and Low Cost Lead-Free Perovskite Solar Cells	National Science Foundation	15%	\$540,000	9/1/2023	8/31/2028
Susan Shuxia Lu	Development of Sustainable Halide Perovskite Solar Cells to Reduce Lead and Iodine Leaching into the Environment	Environmental Protection Agency	25%	\$94,444	11/1/2023	10/31/2025
Susan Shuxia Lu	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
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
Yingge Zhou	3D Printing-Assisted Multi-Scale Channel Vascularized Soft Tissue Scaffolds	National Science Foundation	100%	\$494,002	1/1/2024	12/31/2026

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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
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
Yong Wang	Process Analysis and Performance Excellence for Integrated Delivery Care Systems (AMD 3)	Montefiore Hospital and Medical Center	33%	\$22,693	6/1/2023	5/31/2024
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	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	Application Engineering Support for Technical Solutions in Battery Energy Storage Systems AMD 4	EOS Energy Enterprises	50%	\$32,152	8/21/2023	8/20/2024
Yong Wang	Application Engineering Support for Technical Solutions in Battery Energy Storage Systems AMD 3	EOS Energy Enterprises	50%	\$6,855	5/15/2023	5/14/2024
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	Development of Sustainable Halide Perovskite Solar Cells to Reduce Lead and Iodine Leaching into the Environment	Environmental Protection Agency	25%	\$94,444	11/1/2023	10/31/2025
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

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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	Supporting Continuous Improvement Team's Effort in the Project RESET	Raymond Corporation	33%	\$19,698	2/13/2023	2/12/2024
Yong Wang	Battery Performance Degradation Prediction and Market Bidding Optimization Using Artificial Intelligence, Machine Learning, and Stochastic Optimization AMD 2	GE Grid Solutions	50%	\$32,291	4/19/2024	4/18/2025
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
Yu Jin	Pharmacy System Design Validation and Principle Development Through Data Analytics and Simulation Modeling	Innovation Associates Doing Business As iA	33%	\$98,997	5/15/2023	5/14/2024
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
Zeynep Ertem	Collaborative Research: IHBEM: Disease spread in multiplex networks: the effect of bridge nodes for detection and control of epidemic and endemic diseases.	National Science Foundation	50%	\$155,144	10/15/2023	10/14/2026
Zeynep Ertem	Building multivariate surveillance and forecasting systems for respiratory diseases (Covid- 19 and RSV)	Council of State and Territorial Epidemiologists	100%	\$275,000	8/1/2023	7/31/2024
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	Toward autonomy-enabled mechanical-based nanomachining	National Science Foundation	50%	\$297,974	1/1/2024	12/31/2026

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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
			Total # Credited	101.49		
			Total \$ Credited	\$23,641,775		
020 University Police						
David Hubeny	What will Binghamton look like under two degrees of warming and what can we do now to prepare?	Federal Emergency Management Agency	6%	\$600	6/1/2023	5/31/2024
Steven Faulkner	Youth and Police Initiative	Broome County	100%	\$31,500	6/1/2023	5/31/2024
			Total # Credited	1.06		
			Total \$ Credited	\$32,100		
020 Watson School Deans Office						
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
Michael Testani	FuzeHub: Advanced Mixer Expansion for Zinc-based battery storage system manufacturing scale-up	FuzeHub	100%	\$50,000	9/1/2023	8/31/2024
Miguel Baique	MRSEC: Binghamton Center for Clean Energy Materials Research	National Science Foundation	3%	\$540,000	7/1/2023	6/30/2029
Seungbae Park	Waymo's Participating Membership in the IEEC 2023-24	Waymo Limited Liability Corporation	100%	\$5,000	5/1/2023	4/30/2024

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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	Lockheed Martin's Full Membership in the IEEC 2023	Lockheed Martin	100%	\$60,000	1/1/2023	12/31/2023
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	Prismark Partners 2022-23 Full Membership in the IEEC	Prismark Partners LLC	100%	\$25,000	9/15/2022	9/14/2023
Seungbae Park	Prismark Partners 2023-24 Participating membership in the IEEC	Prismark Partners LLC	100%	\$25,000	9/1/2023	8/31/2024
Seungbae Park	R&D Altanova's Participating Membership in the IEEC, 2023-24	R&D Altanova	100%	\$5,000	6/1/2023	5/31/2024
Seungbae Park	Sanmina's Participating membership in the IEEC 2023-24	Sanmina Corporation	100%	\$5,000	2/15/2023	2/14/2024
Seungbae Park	TTM's Participating Membership in the IEEC, 2023-24	TTM Technologies	100%	\$5,000	2/2/2023	2/1/2024
Seungbae Park	Unison Industries' Participating Membership in the IEEC 2023-24	Unison Industries LLC	100%	\$5,000	4/1/2023	3/31/2024
Seungbae Park	Amphenol Sidney's Participating membership in the IEEC 2023-24	Amphenol Aerospace Operations	100%	\$5,000	3/1/2023	2/29/2024
Seungbae Park	Universal Instruments Participating Membership in the IEEC, 2023	Universal Instruments Corporation	100%	\$5,000	1/1/2023	12/31/2023
Seungbae Park	Vergason Technology Inc.	Vergason Technology Incorporated	100%	\$5,000	10/1/2022	9/30/2023
Seungbae Park	Juniper's Participating Membership in the IEEC	Juniper Networks Incorporated	100%	\$5,000	8/1/2023	7/31/2024

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Seungbae Park	Snake Creek Lasers' Participating Membership in the IEEC, 2023-34	Snake Creek Lasers LLC	100%	\$5,000	5/1/2023	4/30/2024
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	Excelitas Technologies' Participating Membership in the IEEC, 2023-24	Excelitas Technologies	100%	\$5,000	4/1/2023	3/31/2024
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	BAE's Full Membership in the IEEC, 2023	BAE Systems Controls Incorporated	100%	\$60,000	1/1/2023	12/31/2023
Seungbae Park	AVO Photonic's Participating Membership in the IEEC, 2023-24	AVO Photonics	100%	\$5,000	8/18/2023	8/17/2024
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's Membership in the IEEC 2023-24	ASE Americas Incorporated	100%	\$60,000	9/1/2023	8/31/2024
Seungbae Park	Analog Devices membership in the IEEC 2023-24	Analog Devices, Incorporated	100%	\$60,000	2/8/2023	2/7/2024
Seungbae Park	Ames Goldsmith Participating Membership in the IEEC, 2023-24	Ames Goldsmith Corporation	100%	\$5,000	5/1/2023	4/30/2024

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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	Applied Materials Participating membership in the IEEC 2023-24	Applied Materials	100%	\$5,000	8/1/2023	7/31/2024
Srikanth Rangarajan	Honeywell 2023-2024 ES2 I/UCRC Membership Agreement	Honeywell International Incorporated	33%	\$16,500	6/1/2023	5/31/2024
				Total # Credited	32.03	
				Total \$ Credited	\$3,673,544	

Total Proposals Submitted:	552.00
Total Amount Requested:	\$322,604,296