

Sponsored Programs Proposal Submission Report

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



<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						
Andrea MacArgel	Scaffolding equity through a community of transformation	National Science Foundation	15%	\$417,261	6/1/2022	5/31/2027
Erica Sausner	Scaffolding equity through a community of transformation	National Science Foundation	75%	\$2,086,307	6/1/2022	5/31/2027
James Pitarresi	Scaffolding equity through a community of transformation	National Science Foundation	5%	\$139,087	6/1/2022	5/31/2027
			Total # Credited	0.95		
			Total \$ Credited	\$2,642,656		

020 Anthropology

BrieAnna Langlie	Agropastoral Entanglements and Social Transformations: A Microhistory of Climate Change in the Late Prehispanic Andes	National Endowment for the Humanities	100%	\$149,940	6/1/2022	5/31/2025
BrieAnna Langlie	Collaborative Research: Growing Inequality in Changing Climates: Agropastoral Strategy and Social Transformation in the Late Prehispanic Andes	National Science Foundation	100%	\$150,805	6/1/2022	5/31/2025
Carl Lipo	Resubmission: NRT: Complex Social Systems Emergence (NRT-CSSE)	National Science Foundation	6%	\$164,939	3/1/2022	2/28/2027
Carl Lipo	Senior Archeological Research: Coastal Freshwater Resources and Climate Change Impacts on Rapa Nui?	National Science Foundation	75%	\$103,307	5/1/2022	4/30/2024
Carl Lipo	Nature Preserve Forest Regeneration	NYS Department of Environmental Conservation	50%	\$30,755	6/1/2022	5/31/2025
Carmen Ferradas	Doctoral Dissertation Research: Money, Gifts and Motherhood among Indonesian Transnational Female Domestic Workers	National Science Foundation	100%	\$23,625	2/1/2021	1/31/2022

<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>
Katherine Wander	Doctoral Dissertation Research: Evolutionary implications of neurodegenerative disease: Inflammation and longevity in post-WWII Guamanian ALS	National Science Foundation	100%	\$23,239	2/1/2022	1/31/2023
Kathleen Sterling	Doctoral Dissertation Research: The Status of Queer Theories in Archaeology	National Science Foundation	100%	\$7,563	2/1/2022	7/31/2023
			Total # Credited	6.31		
			Total \$ Credited	\$654,173		

020 Biological Sciences

Caitlin Light	REU Site: Early Collaborative Research Experience in Microbial Biofilm Development, Resistance, & Community Structure	National Science Foundation	90%	\$292,768	6/1/2022	5/31/2025
Karin Sauer	Hydrogel Wound Dressing for Prevention and Treatment of Biofilm Infections via Pyruvate Depletion	University of Vermont	100%	\$342,969	7/1/2022	6/30/2027
Karin Sauer	Planning Grant: Engineering Research Center for Innovative Materials and Processes for Antimicrobial Control Technologies (IMPACT)	Syracuse University	100%	\$9,471	8/24/2021	8/23/2022
Karin Sauer	REU Site: Early Collaborative Research Experience in Microbial Biofilm Development, Resistance, & Community Structure	National Science Foundation	10%	\$32,530	6/1/2022	5/31/2025
Kirsten Prior	CAREER: Altered Community Interactions Under Anthropogenic Range Expansions: A Biogeographical Approach to Test Drivers of Ecological Release in a Multi-trophic Community	National Science Foundation	100%	\$913,156	2/1/2022	1/31/2027
Laura Cook	Energy Harvesting from Gut Bacteria for Ingestible Electronics	National Science Foundation	30%	\$150,000	9/1/2022	8/31/2025
Laura Cook	Energy Harvesting from Gut Bacteria for Ingestible Electronics	National Science Foundation	30%	\$150,000	9/1/2022	8/31/2025
Laura Musselman	Identification of the Lipids That Comprise Lipotoxicity	National Heart Lung and Blood Institute	100%	\$1,485,696	4/1/2022	3/31/2027

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Lindsey Swierk	REU Site: Pilot: Native Student Training in the Amazon Rainforest (NativeSTAR)	National Science Foundation	100%	\$377,886	11/1/2022	10/31/2024
Michelle Withers	Collaborative Research: A Developmental Model to Understand the Process of Instructor Implementation of Evidence-Based Teaching Practices	National Science Foundation	100%	\$62,183	1/1/2022	12/31/2024
Thomas Powell	CAREER: Seasonal Adaptation and the Maintenance of Standing Genetic Variation: How Geography, Ecology, and Climate Interact to Shape the Fuel for Rapid Evolution	National Science Foundation	100%	\$973,383	7/1/2022	6/30/2027
			Total # Credited	8.60		
			Total \$ Credited	\$4,790,041		

020 Biomedical Engineering

Ahyeon Koh	I-Corps: TyTen, Nanoband an Adhesive-Free Bandage	National Science Foundation	100%	\$50,000	10/1/2021	9/30/2022
Fake Lu	Transforming Neurosurgical Pathology To Be Rapid, Label-Free, And Digital Via Stimulated Raman Imaging Of Native Biomolecules In Fresh Brain Tumor Tissue	Pew Charitable Trusts	100%	\$300,000	8/1/2022	7/31/2026
Fake Lu	Functional magnetic susceptibility source determination for measuring oxygen consumption and myelin quantity in MS brain	Cornell University	100%	\$65,559	7/1/2022	6/30/2027
Fake Lu	CAREER: Vibrational Ptychography for Ultrasensitive Phase Imaging of Micro Lipid Droplet Lipogenesis in Ovarian Cancer	National Science Foundation	100%	\$500,001	2/1/2022	1/31/2027
Gretchen Mahler	AHA Fellowship Support for Fatemeh Salemizadehparizi	American Heart Association Incorporated	100%	\$64,072	1/1/2022	12/31/2023
Kaiming Ye	R21: Model the in vivo-mimetic 3D Tumor Microenvironment to Decode Impaired Metabolic Crosstalk Induced Metastasis in Pancreatic Cancer	National Cancer Institute	80%	\$526,650	6/1/2022	5/31/2025
Kaiming Ye	Real-time Detecting SARS-Cov-2 in an Enclosed Space to Stop Virus Spreading	National Institute of Standards and Technology	40%	\$999,019	11/1/2021	10/31/2023

<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>
Kaiming Ye	National Consortium for Intelligent Biomanufacturing (NCIB)	National Institute of Standards and Technology	100%	\$300,000	11/1/2021	10/31/2023
Kaiming Ye	REU Site: Undergraduate Research Experience in Biomedical Translational Science and Technology Development	National Science Foundation	100%	\$405,623	4/1/2022	3/31/2025
Kaiming Ye	Developing novel diabetes therapeutics imprinting on functional gut-islet connection with models for the improved efficiency of drug discovery	Indiana University	50%	\$157,947	10/1/2022	9/30/2026
Sha Jin	Real-time Detecting SARS-Cov-2 in an Enclosed Space to Stop Virus Spreading	National Institute of Standards and Technology	20%	\$499,509	11/1/2021	10/31/2023
Tracy Hookway	AHA Fellowship Support for Natalie Weiss	American Heart Association Incorporated	100%	\$64,072	1/1/2022	12/31/2023
Ying Wang	R21: Model the in vivo-mimetic 3D Tumor Microenvironment to Decode Impaired Metabolic Crosstalk Induced Metastasis in Pancreatic Cancer	National Cancer Institute	20%	\$131,662	6/1/2022	5/31/2025
Ying Wang	Developing novel diabetes therapeutics imprinting on functional gut-islet connection with models for the improved efficiency of drug discovery	Indiana University	50%	\$157,947	10/1/2022	9/30/2026
			Total # Credited	10.60		
			Total \$ Credited	\$4,222,060		

020 CCPA Human Development

Leo Wilton	The Influence of Multi-Level Stigma on Preferences and Patterns of PrEP Use among Black MSM	Yale University	100%	\$325,592	4/1/2022	3/31/2025
			Total # Credited	1.00		
			Total \$ Credited	\$325,592		

020 CCPA Public Administration

<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>
George Homsy	Nature Preserve Forest Regeneration	NYS Department of Environmental Conservation	50%	\$30,755	6/1/2022	5/31/2025
Pamela Mischen	NRT: Complex Social Systems Emergence (NRT-CSSE)	National Science Foundation	11%	\$329,878	3/1/2022	2/28/2027
			Total # Credited	0.61		
			Total \$ Credited	\$360,633		

020 CCPA Teaching Learning Educ Leadership

Amber Simpson	CAREER: Co-Mathineering: Understanding and Advancing Child and Family Engagement in Mathematics Through Engineering in Out-of-School Environments	National Science Foundation	100%	\$812,140	7/1/2022	6/30/2027
			Total # Credited	1.00		
			Total \$ Credited	\$812,140		

020 Chemistry

Chuan Jian Zhong	High-Performance Three-Way Catalysts with Reduced Platinum Group Metal Amount and Reaction Temperatures for Natural Gas Engines	US Department of Energy	50%	\$814,525	1/1/2022	12/31/2024
Chuan Jian Zhong	Resubmission - PFI: AIR-RP: Scale-up Preparation of Highly-Durable Nanoalloy Catalysts for Manufacturing MEAs in Fuel Cells	National Science Foundation	100%	\$550,000	1/1/2022	12/31/2024
Chuan Jian Zhong	Real-time Detecting SARS-Cov-2 in an Enclosed Space to Stop Virus Spreading	National Institute of Standards and Technology	20%	\$499,509	11/1/2021	10/31/2023
Eriks Rozners	NIH SBIR Phase-I: Acidosis-activated Prodrug of Doxorubicin for Targeted Cancer Chemotherapy (subaward)	Arctic Moth Therapeutics	5%	\$1,200	6/1/2022	5/31/2023
Hao Liu	CAREER: Enabling High-performance Na-ion Battery Cathodes Via Structural Pillaring	National Science Foundation	100%	\$613,723	2/1/2022	1/31/2027

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Julien Panetier	Nitrogen-Coupled Carbon Dioxide Conversion to Methylamine: Molecular Level Understanding and Tailoring of the Electrocatalysis	Yale University	100%	\$150,000	6/1/2022	5/31/2025
Julien Panetier	CAREER: CAS: Computational Modeling of Carbon Monoxide Dehydrogenase Model Systems for Carbon Dioxide Fixation	National Science Foundation	100%	\$477,550	9/1/2022	8/31/2027
M Stanley Whittingham	BATTERY500 Consortium: Stability of High Energy Density Lithium Batteries - Keystone Project 1	Pacific Northwest National Laboratory	100%	\$2,000,000	10/1/2021	9/30/2026
Ming An	NIH SBIR Phase-I: Acidosis-activated Prodrug of Doxorubicin for Targeted Cancer Chemotherapy (subaward)	Arctic Moth Therapeutics	95%	\$22,791	6/1/2022	5/31/2023
Puja Goyal	CAREER: Computational Study of Crystalline Quinones as Electrode Material in Organic Batteries	National Science Foundation	100%	\$670,907	2/1/2022	1/31/2027
Wei Qiang	RESUBMISSION R01 Cross Seeding Between Beta-Amyloid Fibrillar Variants: A Pathologically Relevant Event that Modulates the Amyloid Molecular Polymorphisms and Neuronal Toxicity	National Institutes of Health	75%	\$1,567,944	4/1/2022	3/31/2027
			Total # Credited	8.45		
			Total \$ Credited	\$7,368,148		

020 Computer Science

Aravind Prakash	Binghamton University Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	National Science Foundation	20%	\$496,539	3/1/2022	2/28/2027
Dmitry Ponomarev	Binghamton University Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	National Science Foundation	20%	\$496,539	3/1/2022	2/28/2027
Guanhua Yan	CyBER: Northeast Institute of Research and Training in Cyber and Electromagnetic Spectrum	Griffiss Institute	10%	\$85,000	2/1/2022	1/31/2025

<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>
Hui Lu	CAREER: Rethinking Virtualization in Cloud-Native Systems	National Science Foundation	100%	\$512,407	1/1/2022	12/31/2026
Kanad Ghose	Liquid to Air Data Center Cooling Lab Phase II	NVIDIA Corporation	50%	\$25,000	7/8/2021	1/7/2022
Kartik Gopalan	Binghamton University Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	National Science Foundation	20%	\$496,539	3/1/2022	2/28/2027
Ping Yang	CybER: Northeast Institute of Research and Training in Cyber and Electromagnetic Spectrum	Griffiss Institute	40%	\$339,999	2/1/2022	1/31/2025
Ping Yang	Binghamton University Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	National Science Foundation	20%	\$496,539	3/1/2022	2/28/2027
Seunghee Shin	Research on CPU vulnerability detection and validation_2021	Korea University	100%	\$33,760	1/1/2021	12/31/2021
Seunghee Shin	CAREER: Hardware/Software Co-design for Serverless Computing	National Science Foundation	100%	\$500,000	9/1/2022	8/31/2027
Shiqi Zhang	CAREER: Grounded Task and Motion Planning for Robot Long-term Autonomy	National Science Foundation	100%	\$550,623	6/1/2022	5/31/2027

Total # Credited **5.80**

Total \$ Credited **\$4,032,946**

020 Economics

Andreas Pape	NRT: Complex Social Systems Emergence (NRT-CSSE)	National Science Foundation	12%	\$359,867	3/1/2022	2/28/2027
--------------	--	-----------------------------	-----	-----------	----------	-----------

Total # Credited **0.12**

Total \$ Credited **\$359,867**

020 Electrical and Computer Engineering

Douglas Summerville	CybER: Northeast Institute of Research and Training in Cyber and Electromagnetic Spectrum	Griffiss Institute	40%	\$339,999	2/1/2022	1/31/2025
---------------------	---	--------------------	-----	-----------	----------	-----------

<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>
Jian Li	RINGS: Resilient Edge Networks with Data-driven Model-based Learning	New York University	100%	\$249,281	1/1/2022	12/31/2024
Jian Li	RINGS: Resiliently and Intelligently Connecting Existing IoT Devices with NextG Networked Systems	University of Maryland Baltimore County	100%	\$435,228	1/1/2022	12/31/2024
Ning Zhou	Development of Trending Forecast Models for EV/Heat Pump/Solar PV in Power Systems using Data-Driven Approaches	Bigwood Systems Incorporated	100%	\$119,763	9/1/2021	11/30/2022
Pritam Das	CAREER: MBTR Converter Based Solid State Transformers (SST): A Novel Approach to High-Performance Power Supplies	National Science Foundation	100%	\$527,400	2/1/2022	1/31/2027
Seokheun Choi	Energy Harvesting from Gut Bacteria for Ingestible Electronics	National Science Foundation	70%	\$349,999	9/1/2022	8/31/2025
Seokheun Choi	Integrated Paperfluidotronics for Internet of Disposable Things	National Science Foundation	100%	\$449,999	9/1/2022	8/31/2025
Seokheun Choi	Energy Harvesting from Gut Bacteria for Ingestible Electronics	National Science Foundation	70%	\$349,999	9/1/2022	8/31/2025
Tara Dhakal	Coating ZnO-SiO ₂ -TiO ₂ Nanolaminates Using ALD System	SunDensity	100%	\$95,816	8/24/2021	8/23/2022
Xiaohua Li	SaTC: CORE: Small: DyFENSE: Secure Dynamic FEderated Network Slicing at the Edge	National Science Foundation	50%	\$250,000	5/15/2022	5/14/2025
Yu Chen	RINGS: Development of Intelligent Reliability Control Technology (Direct) for the Hyper-connected/Multi-dimensional Future Communication Infrastructure	University of Missouri-Kansas City	100%	\$349,999	2/1/2022	1/31/2025
Yu Chen	CybER: Northeast Institute of Research and Training in Cyber and Electromagnetic Spectrum	Griffiss Institute	10%	\$85,000	2/1/2022	1/31/2025
Yu Chen	SaTC: CORE: Small: DyFENSE: Secure Dynamic FEderated Network Slicing at the Edge	National Science Foundation	50%	\$250,000	5/15/2022	5/14/2025
Yu Chen	Binghamton University Scholarship for Service: Expanding and Strengthening the National Cybersecurity Workforce	National Science Foundation	20%	\$496,539	3/1/2022	2/28/2027

<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>
Yu Chen	EAGER: SaTC: CORE: Small: Decentralized Data Assurance by Fair Proof of Work Consensus Federated Ledgers	National Science Foundation	100%	\$100,000	10/1/2021	9/30/2022
Ziang Zhang	NYSERDA PON 4393 Future Grid Challenge Round 1 RFP	TRC Companies	100%	\$50,004	1/1/2022	12/31/2023
			Total # Credited	12.10		
			Total \$ Credited	\$4,499,027		

020 Entrepreneurship and Innovation Partnership

Elena Iankova	Soft Landing in New York's Southern Tier: Establishment of a Regional Hug for the Attraction of Foreign Direct Investment	Economic Development Administration	50%	\$807,050	1/1/2022	12/31/2024
Laura Holmes	New York State Certified Incubator (CFA)	Empire State Development Corp	50%	\$312,500	1/1/2022	12/31/2026
Per Stromhaug	New York Southern Tier Community Navigator	Cornell University	100%	\$250,000	9/1/2021	8/31/2023
Per Stromhaug	New York State Certified Incubator (CFA)	Empire State Development Corp	50%	\$312,500	1/1/2022	12/31/2026
Per Stromhaug	Soft Landing in New York's Southern Tier: Establishment of a Regional Hug for the Attraction of Foreign Direct Investment	Economic Development Administration	50%	\$807,050	1/1/2022	12/31/2024
			Total # Credited	3.00		
			Total \$ Credited	\$2,489,099		

020 Geography

Chengbin Deng	Resubmission: HEGS: Urban Thermal Dynamics, Urban Landscape Transitions and Social Processes	National Science Foundation	50%	\$200,000	2/1/2022	1/31/2025
Jay Newberry	Resubmission: HEGS: Urban Thermal Dynamics, Urban Landscape Transitions and Social Processes	National Science Foundation	50%	\$200,000	2/1/2022	1/31/2025
			Total # Credited	1.00		
			Total \$ Credited	\$400,000		

<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 Geological Sci & Environmental Studies

Timothy de Smet	Senior Archeological Research: Coastal Freshwater Resources and Climate Change Impacts on Rapa Nui?	National Science Foundation	25%	\$34,436	5/1/2022	4/30/2024
			Total # Credited	0.25		
			Total \$ Credited	\$34,436		

020 Harpur College Dean of A and S (3)

Barrett Brenton	NRT: Complex Social Systems Emergence (NRT-CSSE)	National Science Foundation	11%	\$329,878	3/1/2022	2/28/2027
Carl Lipo	NRT: Complex Social Systems Emergence (NRT-CSSE)	National Science Foundation	6%	\$164,939	3/1/2022	2/28/2027
Robert DiNapoli	NRT: Complex Social Systems Emergence (NRT-CSSE)	National Science Foundation	11%	\$329,878	3/1/2022	2/28/2027
			Total # Credited	0.28		
			Total \$ Credited	\$824,696		

020 Library Administration

Heather Parks	2021-2022 Conservation and Preservation Program Grant	NYS Education Department	100%	\$58,083	4/1/2021	3/31/2022
			Total # Credited	1.00		
			Total \$ Credited	\$58,083		

020 Mathematical Sciences

Gang Zhou	Evolution equations in non-equilibrium statistical mechanics, and generic singularities formed by mean curvature flow	National Science Foundation	100%	\$164,452	7/1/2022	6/30/2025
Guifang Fu	CAREER: Data Science at the Interface of Morphology and Genome Data	National Science Foundation	100%	\$467,047	7/1/2022	6/30/2027
L. William Kazmierczak	Scaffolding equity through a community of transformation	National Science Foundation	5%	\$139,087	6/1/2022	5/31/2027

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Michael Dobbins	CAREER: Analogs of Grassmannians and tools for vector bundles	National Science Foundation	100%	\$463,068	2/1/2022	1/31/2027
Xingye Qiao	NRT: Complex Social Systems Emergence (NRT-CSSE)	National Science Foundation	11%	\$329,878	3/1/2022	2/28/2027
			Total # Credited	3.16		
			Total \$ Credited	\$1,563,532		

020 Mechanical Engineering

Andrea MacArgel	Enhancing Student Engagement Through Team-Based and Project-Based Learning	National Science Foundation	25%	\$75,000	6/1/2022	5/31/2025
Bahgat Sammakia	Liquid to Air Data Center Cooling Lab Phase II	NVIDIA Corporation	50%	\$25,000	7/8/2021	1/7/2022
Bahgat Sammakia	CHIRP 2021: Single and Two-Phase Immersion Cooling of High Heat Flux Electronics in Heterogeneous Integrated (HI) Packages. Experimental and Analytical Studies at the Device and Module Levels	Purdue University	34%	\$51,000	1/1/2022	12/31/2024
Bahgat Sammakia	CHIRP 2021: Thermal management of heterogeneous integrated packages subjected to high heat flux using 3d printed cold plates and manifolds	Purdue University	34%	\$51,000	1/1/2022	12/31/2024
Changhong Ke	Wuxiang Feng GRA Subaward from C. Jin University of Nebraska-Lincoln	University of Nebraska	100%	\$36,111	10/1/2021	9/30/2022
Erica Sausner	Building Equity Into Excellence: Recruiting, Retaining, and Supporting Black Engineering Students	National Science Foundation	33%	\$668,200	1/1/2022	12/31/2026
James Pitarresi	Enhancing Student Engagement Through Team-Based and Project-Based Learning	National Science Foundation	25%	\$75,000	6/1/2022	5/31/2025
James Pitarresi	Building Equity Into Excellence: Recruiting, Retaining, and Supporting Black Engineering Students	National Science Foundation	33%	\$668,200	1/1/2022	12/31/2026
Junghyun Cho	CHIRP 2021: Transient Liquid Phase Bond Made from Low-Temperature Eutectic Alloy	Purdue University	100%	\$150,000	1/1/2022	12/31/2024

<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>
Kaiyan Yu	CAREER: Simultaneous and Independent Control of Multiple Agents under a Common Electric Field	National Science Foundation	100%	\$588,608	3/1/2022	2/28/2027
Kirill Zaychik	Enhancing Student Engagement Through Team-Based and Project-Based Learning	National Science Foundation	25%	\$75,000	6/1/2022	5/31/2025
Paul Chiarot	CHIRP 2021: Printed Conformal Metal Films for Electromagnetic Interference (EMI) Protection	Purdue University	100%	\$150,000	1/1/2022	12/31/2024
Pong-Yu Huang	Enhancing Student Engagement Through Team-Based and Project-Based Learning	National Science Foundation	25%	\$75,000	6/1/2022	5/31/2025
Pu Zhang	CAREER: Electro-Mechanical Behaviors of Soft Conductive Composites Embedded with Liquid Metal Fiber Network	National Science Foundation	100%	\$565,337	4/1/2022	3/31/2027
Scott Schiffres	Real-time Detecting SARS-Cov-2 in an Enclosed Space to Stop Virus Spreading	National Institute of Standards and Technology	20%	\$499,509	11/1/2021	10/31/2023
Scott Schiffres	Thermal Conductivity of 3d Printed Copper Samples - Material Testing LMCO	Lockheed Martin Corporation	100%	\$4,200	8/10/2021	12/9/2021
Scott Schiffres	CHIRP 2021: Single and Two-Phase Immersion Cooling of High Heat Flux Electronics in Heterogeneous Integrated (HI) Packages. Experimental and Analytical Studies at the Device and Module Levels	Purdue University	33%	\$49,500	1/1/2022	12/31/2024
Scott Schiffres	CHIRP 2021: Thermal management of heterogeneous integrated packages subjected to high heat flux using 3d printed cold plates and manifolds	Purdue University	33%	\$49,500	1/1/2022	12/31/2024
			Total # Credited	9.70		
			Total \$ Credited	\$3,856,166		

020 Pharmaceutical Sciences

Kanneboyina Nagaraju	Mechanisms of Muscle Weakness During Viral Illnesses	National Institutes of Health	50%	\$148,375	4/1/2022	3/31/2024
Katie Edwards	Testing Agreement - Thiaminase analysis in Asian Carp	Two Rivers Fisheries	100%	\$3,000	9/13/2021	9/12/2022

<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	Mechanisms of Muscle Weakness During Viral Illnesses	National Institutes of Health	50%	\$148,375	4/1/2022	3/31/2024
L. Nathan Tumey	Therapeutic Optimization of IPSE, a Urogenital Parasite-Derived Immunomodulatory Protein, for Chronic Pain	Childrens Research Institute	100%	\$333,328	1/1/2022	12/31/2025
			Total # Credited	3.00		
			Total \$ Credited	\$633,078		

020 Physics Applied Physics & Astronomy

Eric Cotts	Solder Joint Reliability Failure Mechanisms Testing	Universal Instruments Corporation	100%	\$24,000	9/22/2021	1/21/2022
Eric Cotts	Electromigration Characterization of Low Temperature Solder Alloys	Universal Instruments Corporation	100%	\$35,999	7/15/2021	1/14/2022
			Total # Credited	2.00		
			Total \$ Credited	\$59,999		

020 Psychology

Anny Gano	Long-lasting Effects of Adolescent Alcohol on Host Immunity and Acute Phase Responses	National Institute for Alcohol Abuse & Alcoholism	25%	\$293,520	2/1/2022	1/31/2025
Anushree Karkhanis	Center for Systems Neurogenetics of Addiction: Project 1 - Impulsivity	Jackson Laboratory	25%	\$278,795	7/1/2022	6/30/2027
Anushree Karkhanis	R21 Resubmission: Impact of Prenatal Methadone on BLA Dopamine Function and Synaptic Plasticity	National Institute on Drug Abuse	25%	\$107,368	4/1/2022	3/31/2024
Anushree Karkhanis	Center for Systems Neurogenetics of Addiction: Project 1 - Impulsivity	Jackson Laboratory	25%	\$278,795	7/1/2022	6/30/2027
Christina Balderrama-Durbi	Emotion Regulation on the Relation of Co-occurring Posttraumatic Stress Symptoms and Alcohol Use on Relationship Distress in Trauma Exposed Individuals	Psi Chi The International Honor Society in Psychology	100%	\$1,353	7/15/2021	7/14/2022

<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>
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%	\$682,288	4/1/2022	3/31/2026
Christopher Bishop	I-Corps: Repurposing Serotonergic Compounds for Improved Treatment of Parkinson's Disease	National Science Foundation	100%	\$50,000	1/1/2022	12/31/2022
David Werner	RESUBMISSION R01 Cross Seeding Between Beta-Amyloid Fibrillar Variants: A Pathologically Relevant Event that Modulates the Amyloid Molecular Polymorphisms and Neuronal Toxicity	National Institutes of Health	25%	\$522,648	4/1/2022	3/31/2027
Elena Varlinskaia	Long-lasting Effects of Adolescent Alcohol on Host Immunity and Acute Phase Responses	National Institute for Alcohol Abuse & Alcoholism	25%	\$293,520	2/1/2022	1/31/2025
James Jentsch	Center for Systems Neurogenetics of Addiction: Project 1 - Impulsivity	Jackson Laboratory	75%	\$836,385	7/1/2022	6/30/2027
James Jentsch	Computational Methods for Identification of Genetic Factors Affecting the Response to Drug Abuse	Stanford University	100%	\$628,000	4/1/2022	3/31/2027
James Jentsch	Center for Systems Neurogenetics of Addiction: Project 1 - Impulsivity	Jackson Laboratory	75%	\$836,385	7/1/2022	6/30/2027
Kenneth Kurtz	NRT: Complex Social Systems Emergence (NRT-CSSE)	National Science Foundation	11%	\$329,878	3/1/2022	2/28/2027
Marvin Diaz	R21 Resubmission: Impact of Prenatal Methadone on BLA Dopamine Function and Synaptic Plasticity	National Institute on Drug Abuse	70%	\$300,629	4/1/2022	3/31/2024
Sung-Joo Lim	The Role of Talker Cues in Speech Processing in Normal and Impaired Hearing	Boston University	100%	\$367,477	7/1/2022	6/30/2027
Terrence Deak	R21 Resubmission: Impact of Prenatal Methadone on BLA Dopamine Function and Synaptic Plasticity	National Institute on Drug Abuse	5%	\$21,474	4/1/2022	3/31/2024

<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>
Terrence Deak	Long-lasting Effects of Adolescent Alcohol on Host Immunity and Acute Phase Responses	National Institute for Alcohol Abuse & Alcoholism	50%	\$587,040	2/1/2022	1/31/2025
Thomas Harding	CLINICAL PLACEMENT AGREEMENT BETWEEN UNITED HEALTH SERVICES HOSPITALS, INC. AND THE RESEARCH FOUNDATION FOR SUNY	United Health Services Hospitals Incorporated	100%	\$23,000	8/24/2021	8/23/2022
				Total # Credited	10.36	
				Total \$ Credited	\$6,438,554	

020 Public Archaeology Facility

Laurie Miroff	Cultural Resource Screening (FCC 620), Yates County 911 Cell Tower Project-Benton, Town of Benton, Yates County, New York	C&S Companies	100%	\$2,387	9/21/2021	9/20/2022
Laurie Miroff	Phase 1B Archaeological Survey for the Colonie Warehouse Facility Project in the Town of Colonie, Albany County, New York	Stantec Architecture	100%	\$5,482	6/15/2021	6/14/2022
Laurie Miroff	Shotwell Brook Streambank Stabilization Project, Phase 1 Archaeological Survey, Town of Skaneateles, Onondaga County, New York	Onondaga County Soil and Water Conservation Dist	100%	\$2,341	7/15/2021	7/14/2022
Laurie Miroff	Phase 1A Assessment/Phase 1B Survey, Ellisburg Dollar General Project, Village of Ellisburg, Jefferson County, New York	Capital Growth Buchalter	100%	\$3,381	7/29/2021	7/28/2022
Laurie Miroff	Phase 1A Archaeological Assessment/Phase 1B Archaeological Survey for the proposed NY CDG Oneida 2 Solar project in the Town of Rome, Oneida County, New York	LaBella Associates	100%	\$15,985	7/30/2021	7/29/2022
Laurie Miroff	Phase 1A Archaeological Assessments: Cayuta Van Den Hurk Solar, Cicero Rhyndland Solar, Scotch Ridge Solar and Westmoreland Utility Scale Solar Projects	LaBella Associates	100%	\$12,051	7/26/2021	7/25/2022
Laurie Miroff	Cultural Resource Screening (FCC 620), BCS Tower Project, Schuyler County	Mid-State Communications	100%	\$2,255	6/10/2021	6/9/2022

<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 Archaeological Assessment within the Town of Wawayanda, Orange County, NY	LaBella Associates	100%	\$3,166	7/9/2021	7/8/2022
Laurie Miroff	Phase I Initial Historic Resource and Phase 1A Archaeological Assessment within the Town of Rutland, Jefferson County, New York	LaBella Associates	100%	\$5,750	6/18/2021	6/17/2022
Laurie Miroff	Phase 1 Archaeological Survey, Peffer-Strong Spur 485 Project, Sullivan Township, Tioga County, PA_2021	Hanover Engineering Associates	100%	\$1,843	9/25/2021	9/24/2022
Laurie Miroff	Cultural Resource Screening (FCC 620), Yates County 911 Cell Tower Project, Town of Dundee, Yates County, New York	C&S Companies	100%	\$2,375	9/21/2021	9/20/2022
Laurie Miroff	Cultural Resource Screening (FCC 620), Yates County 911 Cell Tower Project-Italy, Town of Italy, Yates County, New York	C&S Companies	100%	\$2,562	9/21/2021	9/20/2022
Laurie Miroff	Crego Subdivision Project, Phase 1 Archaeological Survey/Phase 2 Site Examination, Town of Van Buren, Onondaga County, New York	Brolex Properties Limited Liability Corporation	100%	\$99,698	9/10/2021	9/9/2022
Laurie Miroff	Cultural Resource Screening (FCC 620), 35 Quarry Road Tower Project, Town of Saugerties, Ulster County, New York	C&S Companies	100%	\$1,656	9/14/2021	9/13/2022
Laurie Miroff	Phase I A Archaeological Assessment and a Phase I B Archaeological Survey for the proposed development of property off of Buck Point Road and adjacent to Owasco Lake in Cayuga County, New York	Todd Post	100%	\$4,851	8/24/2021	8/23/2022
Laurie Miroff	Phase IA/IB Archaeological Survey, Newport Dollar General Project, Village of Newport, Herkimer County, New York	Capital Growth Buchalter	100%	\$4,129	9/29/2021	9/28/2022
				Total # Credited	16.00	
				Total \$ Credited	\$169,912	

020 Research VP

<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>
Srikanth Rangarajan	CHIRP 2021: Thermal management of transient power spikes in heterogeneously integrated (HI) packages (multi-chip modules) using embedded phase change material-based composites as thermal interface	Purdue University	100%	\$150,000	1/1/2022	12/31/2024
Srikanth Rangarajan	CHIRP 2021: Single and Two-Phase Immersion Cooling of High Heat Flux Electronics in Heterogeneous Integrated (HI) Packages. Experimental and Analytical Studies at the Device and Module Levels	Purdue University	33%	\$49,500	1/1/2022	12/31/2024
Srikanth Rangarajan	CHIRP 2021: Thermal management of heterogeneous integrated packages subjected to high heat flux using 3d printed cold plates and manifolds	Purdue University	33%	\$49,500	1/1/2022	12/31/2024
				Total # Credited	1.66	
				Total \$ Credited	\$249,000	

020 School Of Management

Chou-Yu Tsai	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education 2022	Waseda University	50%	\$10,000	12/1/2021	2/28/2022
Shelley Dionne	NRT: Complex Social Systems Emergence (NRT-CSSE)	National Science Foundation	11%	\$329,878	3/1/2022	2/28/2027
Shelley Dionne	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education 2022	Waseda University	50%	\$10,000	12/1/2021	2/28/2022
				Total # Credited	1.11	
				Total \$ Credited	\$349,878	

020 School of Nursing Academic

Rodney Gabel	SLP Clinical Placement Agreement - Whitney Point School District	Whitney Point Central School District	100%	\$35,999	9/1/2021	8/31/2022
Rodney Gabel	SLP Clinical Placement Agreement - Maine Endwell School District	Maine Endwell School District	100%	\$35,999	9/1/2021	8/31/2022

<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	2.00		
			Total \$ Credited	\$71,998		

020 Systems Science and Indust Eng (SSIE)

Changqing Cheng	Smart Sensing and Multimodal Learning in Early Detection of Atrial Fibrillation	Sony Corporation	100%	\$100,000	6/1/2022	5/31/2023
Changqing Cheng	CAREER: Nonlinear Dynamics-Informed Learning and Optimal Design for Transport Networks	National Science Foundation	100%	\$569,559	4/1/2022	3/31/2027
Christopher Greene	Building Equity Into Excellence: Recruiting, Retaining, and Supporting Black Engineering Students	National Science Foundation	34%	\$688,449	1/1/2022	12/31/2026
Hiroki Sayama	NRT: Complex Social Systems Emergence (NRT-CSSE)	National Science Foundation	11%	\$329,878	3/1/2022	2/28/2027
Hiroki Sayama	Data-Driven Community-Level Agent-Based Modeling That Integrates Behavioral and Epidemic Dynamics for COVID-19 Policy Decision Making and Education	National Science Foundation	100%	\$25,000	11/1/2021	10/31/2022
Krishnaswami Srihari	Improving Quality, Safety, and Patient Flow and Outpatient Medication Management (AMD 5)	Memorial Sloan Kettering Cancer Center	50%	\$67,838	8/23/2021	8/22/2022
Krishnaswami Srihari	Health System Transformation and Data Management Support for Nuvance Health	Nuvance Health	50%	\$67,646	9/13/2021	9/12/2022
Krishnaswami Srihari	Healthcare Analytics and Solutions R&D at Navicent Health - AMD 2	Navicent Health	33%	\$2,970	8/16/2021	10/15/2021
Krishnaswami Srihari	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting	Raymond Corporation	34%	\$20,313	8/16/2021	8/15/2022
Krishnaswami Srihari	Business Intelligence and Performance Improvement R&D (2021-2022)	United Health Services Hospitals Incorporated	50%	\$81,358	8/23/2021	8/22/2022
Krishnaswami Srihari	Business Process Engineering Support for Network Management Systems CMO (AMD 23)	Montefiore Hospital and Medical Center	34%	\$22,334	8/23/2021	8/22/2022

<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	Raymond Corporation	34%	\$20,309	8/16/2021	8/15/2022
Krishnaswami Srihari	Continuous Performance Improvement Research and Implementation at Mount Sinai Medical Center (AMD 6)	Mount Sinai Medical Center	50%	\$115,049	5/14/2021	5/13/2022
Krishnaswami Srihari	Continuous Performance Improvement Research and Implementation at Mount Sinai Medical Center (AMD 5)	Mount Sinai Medical Center	50%	\$375,751	6/4/2021	6/3/2022
Krishnaswami Srihari	Process Analysis and Performance Excellence for Integrated Delivery Care Systems (AMD 1)	Montefiore Hospital and Medical Center	34%	\$23,370	8/16/2021	8/15/2022
Luis Rocha	NRT: Interdisciplinary Training in Complex Networks and Systems	Indiana University	100%	\$20,394	9/1/2021	8/31/2022
Mark Poliks	Development of a Reusable, Self-enabled Smart Catheter (Sub-in CathBuddy) 2021	CathBuddy	100%	\$339,999	4/1/2022	3/31/2024
Mark Poliks	NextFlex 2021-NIST-MFGUSA-RACER-01 project for research, development, and to establish testbeds to prevent, prepare for, and respond to Coronavirus	NextFlex	100%	\$400,002	4/1/2022	3/31/2024
Mark Poliks	Process Development to Assemble Leadless Semiconductor Strain Gauges onto Polyimide Substrates	Universal Instruments Corporation	100%	\$30,500	8/1/2021	12/31/2021
Mark Poliks	Development of a Reusable, Self-enabled Smart Catheter (Sub-in CathBuddy) 2021	CathBuddy	100%	\$339,999	4/1/2022	3/31/2024
Mohammad Khasawneh	Business Intelligence and Performance Improvement R&D (2021-2022)	United Health Services Hospitals Incorporated	50%	\$81,358	8/23/2021	8/22/2022
Mohammad Khasawneh	Continuous Performance Improvement Research and Implementation at Mount Sinai Medical Center (AMD 5)	Mount Sinai Medical Center	50%	\$375,751	6/4/2021	6/3/2022
Mohammad Khasawneh	Healthcare Analytics and Solutions R&D at Navicent Health - AMD 2	Navicent Health	34%	\$3,060	8/16/2021	10/15/2021
Mohammad Khasawneh	Health System Transformation and Data Management Support for Nuvance Health	Nuvance Health	50%	\$67,646	9/13/2021	9/12/2022

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Mohammad Khasawneh	Business Process Engineering Support for Network Management Systems CMO (AMD 23)	Montefiore Hospital and Medical Center	33%	\$21,677	8/23/2021	8/22/2022
Mohammad Khasawneh	Continuous Performance Improvement Research and Implementation at Mount Sinai Medical Center (AMD 6)	Mount Sinai Medical Center	50%	\$115,049	5/14/2021	5/13/2022
Mohammad Khasawneh	Improving Quality, Safety, and Patient Flow and Outpatient Medication Management (AMD 5)	Memorial Sloan Kettering Cancer Center	50%	\$67,838	8/23/2021	8/22/2022
Mohammad Khasawneh	Process Analysis and Performance Excellence for Integrated Delivery Care Systems (AMD 1)	Montefiore Hospital and Medical Center	33%	\$22,683	8/16/2021	8/15/2022
Peter Borgesen	CHIRP 2021: Reliability of High Reliability and Low Temperature Solder Alloys	Purdue University	100%	\$150,000	1/1/2022	12/31/2024
Peter Borgesen	Allegro Microsystems Materials Testing Agreement (Project 1)	TBD	100%	\$2,800	9/1/2021	8/31/2022
Sangwon Yoon	Data Analytics for Process Evaluation and Daily Process Automation in Raymond Logistics	Raymond Corporation	33%	\$19,711	8/16/2021	8/15/2022
Sangwon Yoon	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting	Raymond Corporation	33%	\$19,715	8/16/2021	8/15/2022
Sarah Lam	Healthcare Analytics and Solutions R&D at Navicent Health - AMD 2	Navicent Health	33%	\$2,970	8/16/2021	10/15/2021
Susan Shuxia Lu	High-Performance Three-Way Catalysts with Reduced Platinum Group Metal Amount and Reaction Temperatures for Natural Gas Engines	US Department of Energy	50%	\$814,525	1/1/2022	12/31/2024
Yong Wang	Business Process Engineering Support for Network Management Systems CMO (AMD 23)	Montefiore Hospital and Medical Center	33%	\$21,677	8/23/2021	8/22/2022
Yong Wang	Process Analysis and Performance Excellence for Integrated Delivery Care Systems (AMD 1)	Montefiore Hospital and Medical Center	33%	\$22,683	8/16/2021	8/15/2022
Yong Wang	Data Analytics for Process Evaluation and Daily Process Automation in Raymond Logistics	Raymond Corporation	33%	\$19,711	8/16/2021	8/15/2022
Yong Wang	Developing a Predictive Model of Used Equipment Fair Market Value to Optimize Residual Setting	Raymond Corporation	33%	\$19,715	8/16/2021	8/15/2022

<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 20.95
Total \$ Credited \$5,489,282

020 Watson School Deans Office

Bahgat Sammakia	Future Facilities 2021-2022 ES2 I/UCRC Membership	Future Facilities Incorporated	50%	\$12,500	8/1/2021	7/31/2022
Bahgat Sammakia	Future Facilities 2021-2022 ES2 I/UCRC Membership	Future Facilities Incorporated	50%	\$12,500	8/1/2021	7/31/2022
Kanad Ghose	Future Facilities 2021-2022 ES2 I/UCRC Membership	Future Facilities Incorporated	50%	\$12,500	8/1/2021	7/31/2022
Kanad Ghose	Future Facilities 2021-2022 ES2 I/UCRC Membership	Future Facilities Incorporated	50%	\$12,500	8/1/2021	7/31/2022
Seungbae Park	Menlo Microsystems Participating Membership in the IEEC 2021-22	Menlo Microsystems Incorporated	100%	\$5,000	11/15/2021	11/14/2022
Seungbae Park	SureScan's Participating Membership in the IEEC, 2021-22	SureScan Corporation	100%	\$5,000	9/15/2021	9/14/2022
Seungbae Park	Prismark Participating Members 2021-22	Prismark Partners LLC	100%	\$25,000	9/1/2021	8/31/2022
Seungbae Park	ASE's full membership in the IEEC 2021-22	Advanced Semiconductor Engineering Incorporated	100%	\$60,000	9/1/2021	8/31/2022
Seungbae Park	Corning's Full Membership in the IEEC, 2021-22	Corning Incorporated	100%	\$60,000	10/1/2021	9/30/2022
Seungbae Park	Dupont's Participating Membership in the IEEC, 2021-22	Dupont Speciality Products USA LLC	100%	\$5,000	10/1/2021	9/30/2022

Total # Credited 8.00
Total \$ Credited \$210,000

Total Proposals Submitted:	139.00
Total Amount Requested:	\$52,964,997