

Sponsored Programs Proposal Submission Report

For the period July 1, 2020 to June 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 Assoc Prov VP UG						
Valerie Imbruce	Beckman Scholars Program 2022	Arnold and Mabel Beckman Foundation	100%	\$468,000	6/1/2022	5/31/2025
Valerie Imbruce	SRS RN: Planning a localized regenerative food system for rural-urban communities	National Science Foundation	25%	\$37,500	9/1/2021	8/31/2022
			Total # Credited	1.25		
			Total \$ Credited	\$505,500		
020 Acad Affairs Prov VP						
James Pitarresi	From national to practical: A study of marginalized student persistence and experience in select STEM majors	Spencer Foundation	100%	\$74,045	6/1/2021	5/31/2023
Michelle Withers	Accelerating Adoption of High Impact Practices Throughout a State School System	National Science Foundation	100%	\$299,753	7/1/2021	6/30/2023
			Total # Credited	2.00		
			Total \$ Credited	\$373,798		
020 Anthropology						
BrieAnna Langlie	Shifting Terrain in the Late Prehispanic Andes: Cultivating Community, Inequality, and Security in Changing Climates	National Endowment for the Humanities	100%	\$149,940	6/1/2021	5/31/2024
BrieAnna Langlie	Collaborative Research: Growing Inequality in Changing Climates: Agropastoral Strategy and Social Change in the Late Prehispanic Andes	National Science Foundation	100%	\$151,152	7/1/2020	6/30/2023
BrieAnna Langlie	Doctoral Dissertation Research: An Archaeometric Reassessment of Featherworks: Parrot Care and Husbandry Practices in the Andean Past	National Science Foundation	100%	\$25,200	1/1/2022	12/31/2022

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Carl Lipo	Past and future resilience to freshwater scarcity on Oceanic Islands: A Rapa Nui (Easter Island) Case Study	National Science Foundation	25%	\$60,888	11/1/2021	10/31/2024
David Merriwether	Candidate Gene Sequencing for Choanal Atresia in Camelids	Alpaca Research Foundation	100%	\$11,999	9/1/2021	8/31/2023
Katherine Wander	Layers of risk: using system dynamics modeling to integrate geospatial, ecological, and human behavioral factors affecting tick-borne disease transmission in built environments	National Science Foundation	25%	\$552,766	6/1/2021	5/31/2025
Katherine Wander	DDRIG: Evolutionary implications of neurodegenerative disease: inflammation and longevity in post-WWII Guamanian amyotrophic lateral sclerosis	National Science Foundation	100%	\$31,337	1/1/2021	8/31/2022
Katherine Wander	Dissertation Fieldwork Grants - Risana Chowdhury	Wenner Gren Foundation for Anthropological Res	100%	\$20,000	7/1/2020	6/30/2021
Matthew Wolf-Meyer	Concussion and the Racial Economy of Debility	National Science Foundation	100%	\$164,678	7/1/2021	6/30/2024
Matthew Wolf-Meyer	G13: Concussion and the Racial Economy of Debility	National Library of Medicine	100%	\$150,000	12/1/2021	11/30/2024
Michel Shamoon-Pour	Layers of risk: using system dynamics modeling to integrate geospatial, ecological, and human behavioral factors affecting tick-borne disease transmission in built environments	National Science Foundation	25%	\$552,766	6/1/2021	5/31/2025
Ralph Garruto	Layers of risk: using system dynamics modeling to integrate geospatial, ecological, and human behavioral factors affecting tick-borne disease transmission in built environments	National Science Foundation	25%	\$552,766	6/1/2021	5/31/2025
Randy McGuire	Doctoral Dissertation Research: Beyond the Purple Paint: Trincheras Pottery and Cultural Connectivity in Northern Sonora, Mexico	National Science Foundation	100%	\$20,299	6/1/2021	5/31/2022

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Randy McGuire	Doctoral Dissertation Research: Beyond the Purple Paint: Trincheras Pottery and Cultural Connectivity in Northern Sonora, Mexico	National Science Foundation	100%	\$20,299	11/1/2021	10/31/2023
Sabina Perrino	Doctoral Dissertation Research: Codeswitching in Multilingual Hip Hop by Politically Engaged Artists	National Science Foundation	100%	\$25,124	7/15/2021	7/14/2022
William Isbell	NSF DDRI: Afro-Ecuadorian Salt Producers in the Chota-Mira Valley, Ecuador	National Science Foundation	100%	\$22,037	10/1/2021	3/31/2023
			Total # Credited	13.00		
			Total \$ Credited	\$2,511,250		

020 Arts and Sciences Dean

Andreas Pape	Collaborative Research: GCR: Building a convergent model for bridges between online to offline coordination, collaboration, and cooperation of sustainable local communities	National Science Foundation	18%	\$314,536	9/1/2021	8/31/2026
Barrett Brenton	Collaborative Research: GCR: Building a convergent model for bridges between online to offline coordination, collaboration, and cooperation of sustainable local communities	National Science Foundation	17%	\$296,562	9/1/2021	8/31/2026
Barrett Brenton	SRS RN: Planning a localized regenerative food system for rural-urban communities	National Science Foundation	25%	\$37,500	9/1/2021	8/31/2022
Carl Lipo	Community Resilience to Freshwater Scarcity and Climate Change on Rapa Nui (Easter Island) : Robert J. DiNapoli	Wenner Gren Foundation for Anthropological Res	100%	\$19,970	10/29/2020	10/28/2021
Carl Lipo	Past and future resilience to freshwater scarcity on Oceanic Islands: A Rapa Nui (Easter Island) Case Study	National Science Foundation	50%	\$121,794	11/1/2021	10/31/2024
Carl Lipo	Collaborative Research: GCR: Building a convergent model for bridges between online to offline coordination, collaboration, and cooperation of sustainable local communities	National Science Foundation	17%	\$296,562	9/1/2021	8/31/2026

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David Mixter	Dating Changes in Preclassic Maya Monumental Architectural Styles at Actuncan, Belize	Archaeological Institute of America	100%	\$14,936	5/3/2021	5/2/2022
George Homsy	Community Vitality in the Catskills	Cary Institute of Ecosystem Studies	100%	\$14,999	6/1/2021	5/31/2022
Yuxin Wang	ECO-CBET: PFAS fate and ecological impact during thermal treatment of lithium-ion batteries recycling processes	National Science Foundation	40%	\$674,056	1/1/2022	12/31/2025
				Total # Credited	4.66	
				Total \$ Credited	\$1,790,916	

020 Asian Asian-American Studies

Sungdai Cho	Korean in Crosslinguistic Context	Academy of Korean Studies	100%	\$264,000	9/1/2021	8/31/2024
				Total # Credited	1.00	
				Total \$ Credited	\$264,000	

020 Biological Sciences

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%	\$376,540	7/1/2022	6/30/2024
Claudia Marques	R01 Supplement: Engineering a Small Intestinal Microbiome To Evaluate Food Additive Exposure	National Institutes of Health	50%	\$81,420	12/1/2020	11/30/2021
Claudia Marques	F31: Fellowship Support for Cody Hastings: Host Immune Response to <i>P. aeruginosa</i> Persister Cells	National Institutes of Health	100%	\$61,440	4/1/2021	3/31/2023
Claudia Marques	Monitoring the Impact of Nanoplastics on the Human Gastrointestinal Tract Using the Novel in Vitro System Caco-2/HT29-MTX/Raji-b/Microbiota: Effects, Consequences, and Treatment Strategies	Springer Nature Limited	50%	\$54,900	6/1/2021	5/31/2022

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Claudia Marques	Collaborative Research: GCR: Infection-Resisting Resorbable Scaffolds for Engineering Human Tissue	National Science Foundation	33%	\$234,300	9/1/2021	8/31/2026
Claudia Marques	Dynamic microbe-mucus interactions: Linking mucus microviscoelasticity to transport and transmission	Syracuse University	100%	\$4,127	10/1/2021	9/30/2023
David Davies	Collaborative Research: GCR: Infection-Resisting Resorbable Scaffolds for Engineering Human Tissue	National Science Foundation	33%	\$234,300	9/1/2021	8/31/2026
James Sobel	Collaborative Research: Dimensions US-China: Coevolutionary diversification in old- and new-world Astragalus, the most species rich genus of flowering plants	National Science Foundation	100%	\$474,581	11/1/2021	10/31/2026
James Sobel	Collaborative Research: The Processes That Shape the Genomic Landscape of Speciation Across Time, Space, and Ecology	National Science Foundation	100%	\$595,948	3/1/2021	2/29/2024
Jessica Hua Meindl	CLB Supplement: Collaborative research: Disease ecology in the midst of anthropogenic stressors: Exploring the influence of pesticides on host-parasite interactions	National Science Foundation	100%	\$36,444	8/1/2021	7/31/2022
Jessica Hua Meindl	CAREER: Evolutionary Disease Ecology- Can Evolutionary Responses to Environmental Change Modify the Biodiversity-Disease Relationship?	National Science Foundation	100%	\$971,030	8/1/2021	7/31/2026
Jessica Hua Meindl	IGE: Translational Research in Ecology and Environmental Science (TREES)	National Science Foundation	25%	\$123,847	8/1/2021	7/31/2024
Jessica Hua Meindl	BII: Integrative Ecology and neurogenetics	Florida Atlantic University	100%	\$1,149,996	8/1/2021	7/31/2026
Jessica Hua Meindl	REU Supplement: Collaborative research: Disease ecology in the midst of anthropogenic stressors: Exploring the influence of pesticides on host-parasite interactions	National Science Foundation	100%	\$15,600	5/1/2021	4/30/2022

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Jessica Hua Meindl	MultiTOX- An interdisciplinary approach for developing a novel predictive tool for assessing multiple pollutants on terrestrial populations	Strategic Environmental Research and Development Program (SERDP)	75%	\$1,027,282	4/1/2022	3/31/2025
Jessica Hua Meindl	URoL:EN: Rules of Evolution: How biogeochemistry shapes behavioral innovation	New Jersey Institute of Technology	100%	\$803,100	1/1/2022	12/31/2026
Jessica Hua Meindl	ECO-CBET: PFAS fate and ecological impact during thermal treatment of lithium-ion batteries recycling processes	National Science Foundation	30%	\$505,542	1/1/2022	12/31/2025
Karin Sauer	Molecularly-imprinted material for treatment of biofilm infections via pyruvate depletion	University of Vermont	100%	\$328,492	9/1/2021	8/31/2026
Karin Sauer	Collaborative Research: GCR: Infection-Resisting Resorbable Scaffolds for Engineering Human Tissue	National Science Foundation	34%	\$241,400	9/1/2021	8/31/2026
Karin Sauer	Role of PA4878 in biofilm antimicrobial resistance	National Institute of Allergy & Infectious Disease	100%	\$1,648,443	12/1/2021	11/30/2026
Kirsten Prior	CAREER: Disentangling the effects of altered community interactions under anthropogenic range expansions: biogeographical tests in a multitrophic community	National Science Foundation	100%	\$910,504	4/1/2021	3/31/2026
Kirsten Prior	IGE: Translational Research in Ecology and Environmental Science (TREES)	National Science Foundation	25%	\$123,847	8/1/2021	7/31/2024
Laura Cook	The Effect of the Pharyngeal Microbiota on Carriage of Streptococcus pyogenes	Pew Charitable Trusts	100%	\$300,000	8/1/2021	7/31/2025
Laura Cook	Characterization of a Novel Vaccine Candidate in GBS	Johnson and Johnson	100%	\$150,000	7/1/2021	6/30/2024
Laura Cook	The Effect of the Pharyngeal Microbiota on Carriage of Streptococcus pyogenes	CIFAR	100%	\$75,060	4/1/2021	3/31/2023
Laura Cook	Evaluating a putative GBS vaccine candidate	Graduate Women in Science	100%	\$9,955	7/1/2021	6/30/2022
Laura Cook	Characterization of the regulation and role of a GBS colonization factor	National Institute of Allergy & Infectious Disease	90%	\$1,684,361	9/1/2022	8/31/2027

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Laura Musselman	AHA Fellowship for Christie Santoro: Mechanisms underlying cardiac lipotoxicity during overnutrition	American Heart Association Northeast Affiliate	100%	\$63,040	4/1/2021	3/31/2023
Laura Musselman	CAREER: Organ-Specific Roles in the Control of Systemic Metabolic Homeostasis	National Science Foundation	100%	\$846,900	7/1/2021	6/30/2026
Lindsey Swierk	REU Site: Native Student Training in the Amazon Rainforest (Native STAR)	National Science Foundation	100%	\$2,741,594	11/1/2021	10/31/2024
Michelle Withers	Collaborative Research: PULSEToC: A National Assessment of Vision & Change	National Science Foundation	100%	\$209,799	9/1/2021	8/31/2026
Peter McKenney	Boehringer Ingelheim Transition Grant 2020	Boehringer Ingelheim Pharmaceutical	100%	\$144,839	11/30/2020	11/29/2021
Thomas Powell	CAREER:Seasonal Adaptation and the Maintenance of Standing Genetic Variation	National Science Foundation	100%	\$900,594	7/1/2021	6/30/2026
				Total # Credited	27.45	
				Total \$ Credited	\$17,129,224	

020 Biomedical Engineering

Ahyeon Koh	Engineering a Nephron on a Chip	National Science Foundation	50%	\$200,000	10/1/2021	9/30/2024
Ahyeon Koh	COVID: Wearable Real-time Health Monitoring for Early Detection and Mitigation of Viral Respiratory Disease	Department of Defense (CDMRP)	20%	\$305,731	9/1/2020	8/31/2024
Ahyeon Koh	CAREER: Artificial Extracellular Matrix Biosensors (e-ECM)	National Science Foundation	100%	\$500,081	1/1/2021	12/31/2025
Ahyeon Koh	R35: Wound Monitoring System on the Artificial Extracellular Matrix	National Institutes of Health	100%	\$1,894,100	7/1/2021	6/30/2026
Ahyeon Koh	R21: Wearable Artificial Intelligence-Enabled Respiratory Health Monitoring	National Institutes of Health	50%	\$205,562	7/1/2021	6/30/2023
Ahyeon Koh	Wearable Artificial Intelligence-Enabled Respiratory Health Monitoring	National Science Foundation	50%	\$183,985	4/1/2021	3/31/2024
Ahyeon Koh	Wearable AI-Enabled Respiratory Health Monitoring	Nano-Bio Materials Consortium	50%	\$291,326	3/1/2021	2/28/2023

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Ahyeon Koh	MRI: Acquisition of an Advanced Rheometer	National Science Foundation	25%	\$38,448	8/1/2021	7/31/2022
Fake Lu	Development of cosmetically acceptable and gentle materials/methods that impact the mechanics of the epidermis	Estee Lauder Corporation	40%	\$22,388	5/19/2021	5/18/2022
Fake Lu	R01 Resubmission: Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	National Institutes of Health	25%	\$482,075	8/1/2021	7/31/2026
Gretchen Mahler	R01 Supplement: Engineering a Small Intestinal Microbiome To Evaluate Food Additive Exposure	National Institutes of Health	50%	\$81,420	12/1/2020	11/30/2021
Gretchen Mahler	Monitoring the Impact of Nanoplastics on the Human Gastrointestinal Tract Using the Novel in Vitro System Caco-2/HT29-MTX/Raji-b/Microbiota: Effects, Consequences, and Treatment Strategies	Springer Nature Limited	50%	\$54,900	6/1/2021	5/31/2022
Gretchen Mahler	ASN Fellowship for Stephanie Zhang:A Human Glomerulus And Proximal Convoluted Tubule Microphysiological System To Reproduce Drug- Induced Kidney Injuries	American Society of Nephrology	100%	\$60,000	7/1/2021	6/30/2023
Gretchen Mahler	Engineering a Nephron on a Chip	National Science Foundation	50%	\$200,000	10/1/2021	9/30/2024
Guy German	Accurate Characterization of the Mechanical Properties of Myelinated Axons	Alternatives Research & Development Foundation	50%	\$20,000	8/2/2021	8/1/2022
Guy German	R21: Accurate Characterization of the Mechanical Properties of Axonal Fibers in the Brain	National Inst of Neurological Disorders & Stroke	50%	\$202,195	4/1/2022	3/31/2024
Guy German	Development of cosmetically acceptable and gentle materials/methods that impact the mechanics of the epidermis	Estee Lauder Corporation	60%	\$33,583	5/19/2021	5/18/2022
Guy German	MRI: Acquisition of an Advanced Rheometer	National Science Foundation	25%	\$38,448	8/1/2021	7/31/2022
Guy German	I-Corps: A Device to Prevent Rolling Veins	National Science Foundation	100%	\$50,000	8/26/2020	8/25/2021

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Guy German	Development of a Reusable, Self-enabled Smart Catheter (Sub-in CathBuddy)	CathBuddy	50%	\$175,000	7/1/2021	6/30/2023
Kaiming Ye	R01: Role of Angiopoietin in in vitro Islet Development	National Institutes of Health	25%	\$392,500	7/1/2021	6/30/2025
Kaiming Ye	MRI: Acquisition of A Cryo Focused Ion Beam Scanning Electron Microscope (Cryo-SEM) for Life Science and Materials Science Research and Training at SUNY Binghamton	National Science Foundation	50%	\$850,535	8/1/2021	7/31/2024
Kaiming Ye	R01: Natural Matrix-derived Peptide Stimulates Pancreatic Development from iPSCs	National Institutes of Health	25%	\$385,660	9/1/2021	8/31/2025
Kaiming Ye	REU Supplement: Molecular mechanisms of tissue specific signaling for islet self-assembly	National Science Foundation	20%	\$2,800	4/1/2021	3/31/2023
Kaiming Ye	Bioprinting Intra-islet Vascularized and Perfusable Pancreatic Endocrine Organoids from iPSCs	National Institutes of Health	50%	\$1,637,980	9/1/2021	8/31/2026
Kaiming Ye	Collaborative Research: RECODE: Coordinate endothelium and pancreatic co-development to generate intra-islet vascularized human islets from iPSCs	National Science Foundation	50%	\$559,245	12/1/2021	11/30/2025
Kaiming Ye	Decoding Signal Pathway Networks Indispensable for in vitro Human Islet Development	National Institutes of Health	50%	\$792,867	4/1/2022	3/31/2026
Kaiming Ye	R21 Transfer: Development Of A Smartphone-Based Infrared-Fluorescenceimaging Intraoral Device (Smart-Ir-Id) For Dentist-Guided Realtime Self-Monitoring Of Periodontal Disease	National Institutes of Health	100%	\$304,010	9/1/2020	8/31/2021
Sha Jin	R01: Natural Matrix-derived Peptide Stimulates Pancreatic Development from iPSCs	National Institutes of Health	75%	\$1,156,980	9/1/2021	8/31/2025
Sha Jin	Decoding Signal Pathway Networks Indispensable for in vitro Human Islet Development	National Institutes of Health	50%	\$792,867	4/1/2022	3/31/2026

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Sha Jin	Collaborative Research: RECODE: Coordinate endothelium and pancreatic co-development to generate intra-islet vascularized human islets from iPSCs	National Science Foundation	50%	\$559,245	12/1/2021	11/30/2025
Sha Jin	Bioprinting Intra-islet Vascularized and Perfusable Pancreatic Endocrine Organoids from iPSCs	National Institutes of Health	50%	\$1,637,980	9/1/2021	8/31/2026
Sha Jin	MRI: Acquisition of A Cryo Focused Ion Beam Scanning Electron Microscope (Cryo-SEM) for Life Science and Materials Science Research and Training at SUNY Binghamton	National Science Foundation	25%	\$425,268	8/1/2021	7/31/2024
Sha Jin	R01: Role of Angiopoietin in in vitro Islet Development	National Institutes of Health	70%	\$1,099,000	7/1/2021	6/30/2025
Sha Jin	REU Supplement: Molecular mechanisms of tissue specific signaling for islet self-assembly	National Science Foundation	80%	\$11,200	4/1/2021	3/31/2023
Tracy Hookway	Engineering ECM to control epicardial associated heart disease	American Heart Association Incorporated	100%	\$231,000	7/1/2021	6/30/2024
Ying Wang	Engineering multi-organ microphysiological systems to interrogate breast cancer brain metastasis	Johnson and Johnson	100%	\$150,000	7/1/2021	6/30/2024
Yuan Wan	R01: Liquid biopsy of solitary pulmonary nodule with extracellular vesicles	National Institutes of Health	100%	\$2,975,885	6/1/2021	5/31/2026
Yuan Wan	CAREER: AGR2-targeted immunotherapy: mechanism, drug discovery, and tumor-targeted drug delivery	National Science Foundation	100%	\$500,000	5/1/2022	4/30/2027
Yuan Wan	R21: POLR2A transport inhibitors loaded engineered extracellular vesicles for targeted cancer therapy using wild type p53 as a predictive marker	National Institutes of Health	50%	\$205,615	7/1/2021	6/30/2023
Yuan Wan	Continuation: Lipid nanoprobe integrated microdevice for extracellular vesicle isolation and duplex sequencing based mutation detection for non-invasive lung cancer diagnosis	Carnegie Mellon University	100%	\$344,452	8/1/2019	7/31/2023

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Yuan Wan	R03: Engineered Extracellular Vesicles Harboring High-affinity PD-1 Variants as Immune Checkpoint Inhibitors for Homotypic Tumor Immunotherapy and Chemotherapy	National Institutes of Health	100%	\$143,320	7/1/2021	6/30/2023
Yuan Wan	SONY 2020: Engineered Extracellular Vesicles Harboring High-affinity PD-1 Variants as Immune Checkpoint Inhibitors and Chemotherapeutic Cargos for Homotypic Tumor Immunotherapy and Chemotherapy	Sony Corporation	100%	\$100,000	6/1/2021	5/31/2022
Yuan Wan	R03 Cholesterol functionalized chromatography for rapid efficient isolation of pure extracellular vesicles	National Institutes of Health	100%	\$143,320	7/1/2021	6/30/2023
Yuan Wan	CAREER: Discovery of Extracellular Vesicles-derived miRNAs as Therapeutic Targets in Breast Cancer	National Science Foundation	100%	\$500,109	5/1/2021	4/30/2026
Yuan Wan	Variant Human PD-1 Overexpressing Extracellular Vesicles for Concurrent Immunotherapy and Chemotherapy	National Science Foundation	100%	\$300,000	9/1/2021	8/31/2024
				Total # Credited	29.15	
				Total \$ Credited	\$21,241,078	

020 CCPA Deans Office

Casey Pulz	Broome County Youth Bureau - Summer Zones	Broome County Youth Bureau	100%	\$19,999	7/6/2020	7/5/2021
Casey Pulz	Mothers & Babies Perinatal Network - Summer Zones 21	Mothers and Babies Perinatal Network of South Cent	100%	\$14,999	7/1/2021	8/31/2021
Laura Bronstein	Helping Youth on the Path to Employment: Creating Economic Self-Sufficiency	University of Massachusetts	100%	\$75,006	10/1/2020	9/30/2022
Laura Bronstein	Community Schools Technical Assistance Centers CARES Act Contract Expansion	NYS Education Department	50%	\$625,001	4/1/2021	9/30/2022
Laura Bronstein	Afton-Harpursville Community Schools	US Department of Education	50%	\$1,250,000	10/1/2021	9/30/2026

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LuAnn Kida	Binghamton University Community Schools	Broome County Department of Mental Health	100%	\$148,986	1/1/2020	12/31/2020
LuAnn Kida	Community Schools Technical Assistance Centers CARES Act Contract Expansion	NYS Education Department	50%	\$625,001	4/1/2021	9/30/2022
				Total # Credited	5.50	
				Total \$ Credited	\$2,758,992	

020 CCPA Human Development

Leo Wilton	Advancing Knowledge on Factors that Promote/Impede Engagement Along the HIV Care Continuum Over Time: A Longitudinal Mixed-Methods Study with African American/Black and Latinx Youth Living with HIV	National Institutes of Health	100%	\$465,206	4/1/2021	3/31/2025
Leo Wilton	PrEP Use Preferences and Patterns among Young Black MSM	Yale University	100%	\$167,496	11/1/2021	10/31/2023
Leo Wilton	Uncovering Factors That Promote/Impede Sustained HIV Viral Suppression Among Black and Hispanic Young People Living With HIV	New York University	100%	\$231,940	9/1/2021	8/31/2025
				Total # Credited	3.00	
				Total \$ Credited	\$864,642	

020 CCPA Public Administration

Kerry Whigham	Memory Sites and Prevention	Auschwitz Inst for the Prev of Genocide & Mass Atrocities	100%	\$10,000	2/11/2021	5/10/2021
Nadia Rubaii	An Analysis of the Relation Between Speech Legitimizing Violence and Mass Violence	Auschwitz Inst for the Prev of Genocide & Mass Atrocities	50%	\$10,000	11/20/2020	3/19/2021
Pamela Mischen	SRS RN: Planning a localized regenerative food system for rural-urban communities	National Science Foundation	25%	\$37,500	9/1/2021	8/31/2022

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Pamela Mischen	Collaborative Research: GCR: Building a convergent model for bridges between online to offline coordination, collaboration, and cooperation of sustainable local communities	National Science Foundation	17%	\$296,562	9/1/2021	8/31/2026
			Total # Credited	1.92		
			Total \$ Credited	\$354,062		

020 CCPA Social Work

Dalhee Yoon	R03: Longitudinal pathways linking child maltreatment, family/peer substance use, and adolescent substance use	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	100%	\$165,984	4/1/2022	3/31/2024
Jacqueline McGinley	COVID-19: Building Back Better: Identifying Sustainable Educational Practices Resulting in Positive Outcomes for Students with Disabilities during the COVID-19 Pandemic	Spencer Foundation	20%	\$9,744	9/1/2021	12/31/2022
Kimberly Brimhall	Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	50%	\$474,128	7/1/2021	6/30/2024
Kimberly Brimhall	Resubmission: Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	50%	\$552,940	4/1/2022	3/31/2025
Laura Bronstein	SOW Expansion: UMass HYPE	University of Massachusetts	50%	\$18,617	10/1/2020	9/30/2021
Laura Bronstein	Nita M. Lowey 21st Century Community Learning Centers Technical Assistance Resource Center	NYS Education Department	100%	\$2,750,582	9/1/2021	8/31/2026
Melissa Hardesty	Adoption Photolistings in the Digital Age	Wenner Gren Foundation for Anthropological Res	100%	\$20,000	7/1/2021	6/30/2022
Youjung Lee	Afton-Harpursville Community Schools	US Department of Education	50%	\$1,250,000	10/1/2021	9/30/2026

<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 5.20
Total \$ Credited \$5,241,995

020 CCPA Teaching Learning Educ Leadership

Amber Simpson	CAREER: M2ATcHs	National Science Foundation	100%	\$631,688	9/1/2021	8/31/2026
Amber Simpson	Binghamton University GenCyber Teacher Camp	National Security Agency	25%	\$20,611	4/1/2021	3/31/2022
Amber Simpson	Binghamton University GenCyber Teacher Camp	National Security Agency	25%	\$32,745	9/1/2021	8/31/2022
Amber Simpson	STEM Ways of Thinking 2021	Washington State University	100%	\$52,299	1/1/2021	12/31/2023
Candace Mulcahy	Collaborative Research: MIND-MAPS Monitoring and INtervention for Disabilities in MAtematics Problem Solving	National Science Foundation	100%	\$338,082	9/1/2021	8/31/2025
Jo Malin	Talent Search 2021-2026	US Department of Education	100%	\$1,841,767	9/1/2021	8/31/2026
Loretta Mason-Williams	Project Confluence: Spencer Small Research Grant	Spencer Foundation	100%	\$49,589	1/1/2022	12/31/2023
Nicole Fenty	Coding is Lit: Collaborative Design and Development	Spencer Foundation	100%	\$50,000	7/1/2021	6/30/2023
Pamela Sandoval	IGE: Enhancing Students' Deep Diversity of Knowledge and Skills via Exploration of the Orthogonal Subject-Skill Curricular Matrix	National Science Foundation	25%	\$125,000	4/1/2021	3/31/2024

Total # Credited 6.75
Total \$ Credited \$3,141,781

020 Chemistry

Brian Callahan	R03 Rapid SARS-CoV-2 Detection Using Amplicon Templated Reporter Enzyme Assembly	National Institutes of Health	100%	\$157,000	7/1/2021	6/30/2023
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<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Brian Callahan	R01 Renewal: Structural Mechanisms and Antagonist Discovery for Hedgehog Autoprocessing in Cancer	Rensselaer Polytechnic Institute	100%	\$1,309,550	4/1/2022	3/31/2027
Brian Callahan	R21: Discovery and Anti-Tumor Activity of Molecular Agents Targeting Hedgehog Protein Autoprocessing	National Institutes of Health	100%	\$415,790	9/1/2021	8/31/2023
Chuan Jian Zhong	PFI: Anaerobic Digestion (AD) Innovation and Organizational Teaming: Accelerating Commercialization of Renewable Natural Gas (RNG)	National Science Foundation	100%	\$550,000	2/1/2021	1/31/2024
Chuan Jian Zhong	NSF CBET: Design of Nanocomposite-Structured Sensor Arrays for Breath Detection of Lung Cancer	National Science Foundation	60%	\$331,127	3/1/2021	2/29/2024
Chuan Jian Zhong	Role of Dynamic Surface/Subsurface Oxygenation of Noble Metal/3d-Transition Metal Alloy Nanoparticles in Oxidation Reactions	National Science Foundation	100%	\$442,377	7/1/2021	6/30/2024
Chuan Jian Zhong	Controlled synthesis of multi-metallic nanoscale alloys	BASF Corporation	100%	\$139,000	2/3/2021	2/2/2022
Chuan Jian Zhong	Atomic-Scale Origin of Oscillatory Kinetics of Catalytic Oxidation Reactions over Bimetallic Nanoparticles	US Department of Energy	34%	\$230,456	7/1/2021	6/30/2024
Chuan Jian Zhong	PFI-RP: Scale-up Preparation of Highly-Durable Nanoalloy Catalysts for Manufacturing MEAs in Fuel Cells	National Science Foundation	100%	\$550,000	10/1/2021	9/30/2024
Chuan Jian Zhong	Concept Award Proposal: Fabricating Non-invasive, Stable, and Reproducible Breath Sensors for Screening and Early Detection of Lung Cancer	Department of Defense (CDMRP)	60%	\$93,516	9/1/2021	8/31/2022
Chuan Jian Zhong	FMRG:Eco: Digital Cellulose Manufacturing Technologies from Diverse Biomass Feedstocks	Stony Brook University	33%	\$412,500	12/1/2021	11/30/2025
Eriks Rozners	NSF SBIR PHASE I: pH-Sensitive Prodrug for Targeted Cancer Chemotherapy	National Science Foundation	10%	\$1,614	6/1/2021	5/31/2022

<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>
Eriks Rozners	R35 NIGMS Equipment Supplement - Chemical Approaches to Control the Function of Regulatory RNAs	National Institute of General Medical Sciences	100%	\$31,055	6/1/2021	5/31/2022
Eriks Rozners	COVID-19 R21: Targeting SARS-CoV-2 RNA Pseudoknots Using Triplex-Forming Peptide Nucleic Acids	National Institute of Allergy & Infectious Disease	100%	\$428,330	9/1/2021	8/31/2023
Eriks Rozners	Collaborative Research - Nucleobase-Modified PNA for Sequence Selective Triple-Helical Recognition of Non-Coding RNA	National Science Foundation	100%	\$486,304	7/1/2021	6/30/2024
Eriks Rozners	ACS Summer Undergraduate Research Fellowship - John Talbott	American Chemical Society	100%	\$5,000	5/22/2021	5/21/2022
Hao Liu	CAREER: Mechanically Robust Battery Cathodes Through Pillared Layered Oxides	National Science Foundation	100%	\$500,000	2/1/2021	1/31/2026
Hao Liu	REU Supplement: Rational Design of Oxide Cathode Coatings for High Performance Li-ion Batteries	National Science Foundation	34%	\$2,040	10/15/2020	10/14/2021
Hao Liu	Aluminosilicate-Based Solid-State Electrolyte for Sodium-Ion Batteries	US Department of Energy	100%	\$65,999	2/1/2021	1/31/2022
Hao Liu	Understanding the structural and electronic effects on heterogeneous catalysis of aerobic oxidative desulfurization	American Chemical Society	100%	\$110,000	9/1/2021	8/31/2023
Hao Liu	NSF SBIR Phase I : Aluminosilicate-Based Solid-State Electrolyte for Sodium-Ion Batteries	National Science Foundation	100%	\$65,999	6/3/2021	6/2/2022
Hao Liu	Intercalation Site Substitution in Layered Metal Oxides	National Science Foundation	100%	\$307,515	7/15/2021	7/14/2024
Hao Liu	ECO-CBET: PFAS fate and ecological impact during thermal treatment of lithium-ion batteries recycling processes	National Science Foundation	30%	\$505,542	1/1/2022	12/31/2025
Huiyuan Guo	Paper-based Nanosensor Derived from Agricultural Residues for Pesticide Detection	USDA Agricultural Research Service	100%	\$650,000	2/1/2022	1/31/2026
Huiyuan Guo	Quantification of pH in Water-In-Oil Emulsion Droplets Using Surface-Enhanced Raman Spectroscopy	American Chemical Society	100%	\$110,000	9/1/2021	8/31/2023

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Jennifer Hirschi	R15 - Mechanistic Investigation into Photoredox Catalysis	National Institute of General Medical Sciences	100%	\$465,870	4/1/2021	3/31/2024
Jiye Fang	Stabilizing Hybrid Organic-Inorganic Perovskite Solar Cells via Diffusion Barriers and ALD Coated Thin Film Encapsulants	US Department of Energy	10%	\$87,880	6/1/2021	5/31/2024
Jiye Fang	Electronic flying qubits for quantum dot computing	US Department of Energy	13%	\$562,500	9/1/2021	8/31/2024
John Swierk	CAREER: Mechanistic Investigations of Photoredox Reactions	National Science Foundation	100%	\$699,338	5/1/2021	4/30/2026
John Swierk	Double layer effects on electron transfer	Camille and Henry Dreyfus Foundation Incorporated	100%	\$100,000	8/1/2021	7/31/2026
John Swierk	High Visible Transmittance Near Infrared Absorbing Dye	NineSigma Incorporated	100%	\$195,858	7/1/2021	12/31/2021
John Swierk	Ashlawn Energy Vanadium Redox Flow Battery Systems Manufacturing DOE Application Control Number: 2453-1515	Ashlawn Energy, LLC	100%	\$250,000	1/1/2022	12/31/2024
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	9/1/2021	8/31/2026
Julien Panetier	Atomic-Scale Origin of Oscillatory Kinetics of Catalytic Oxidation Reactions over Bimetallic Nanoparticles	US Department of Energy	33%	\$223,678	7/1/2021	6/30/2024
M Stanley Whittingham	Collaborative Research: Design of 3D Functional Interfaces for Next Generation All-Solid-State Batteries	Harvard University	100%	\$599,996	9/1/2021	8/31/2025
M Stanley Whittingham	A Cobalt and Nickel Free High Energy Density Intercalation Cathode for Lithium or Lithium-ion Batteries	LG Energy Solutions	100%	\$392,500	7/1/2021	6/30/2023
M Stanley Whittingham	MRI: Acquisition of A Cryo Focused Ion Beam Scanning Electron Microscope (Cryo-SEM) for Life Science and Materials Science Research and Training at SUNY Binghamton	National Science Foundation	25%	\$425,268	8/1/2021	7/31/2024
M Stanley Whittingham	STTR Phase II - Multi-Electron Intercalation Reactions for High Capacity Lithium Batteries	DiMien LLC	100%	\$213,951	6/1/2021	5/31/2023

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M Stanley Whittingham	Advancing Transformational Army Batteries, II	University of Maryland	100%	\$349,999	9/1/2021	8/31/2022
Mathew Vetticatt	Equipment Supplement: Novel Concepts and Mechanistic Probes in Catalysis	National Institutes of Health	100%	\$31,824	8/1/2021	7/31/2022
Mathew Vetticatt	R35 - Mechanistic Studies at the Frontiers of Catalysis	National Institutes of Health	100%	\$2,225,850	4/1/2022	3/31/2027
Ming An	NSF SBIR PHASE I: pH-Sensitive Prodrug for Targeted Cancer Chemotherapy	National Science Foundation	90%	\$14,526	6/1/2021	5/31/2022
Puja Goyal	R01: Structural Characterization of a Bi-Directional Transport Module for Nuclear Positioning	National Institute of General Medical Sciences	5%	\$112,752	4/1/2021	3/31/2026
Puja Goyal	Cobalamin photochemistry in transcription-regulating photoreceptor proteins and empowering students with psychological resilience	Research Corporation for Science Advancement	100%	\$100,000	2/15/2021	2/14/2024
Puja Goyal	R01: Regulation of bidirectional transport of the nucleus by adapter proteins	National Institute of General Medical Sciences	5%	\$112,746	9/1/2021	8/31/2026
Puja Goyal	R01: Agonist Efficiency	University of Buffalo Sponsored Program Admin	100%	\$517,840	7/1/2022	6/30/2026
Sozanne Solmaz	R01: Regulation of bidirectional transport of the nucleus by adapter proteins	National Institute of General Medical Sciences	95%	\$2,142,166	9/1/2021	8/31/2026
Sozanne Solmaz	R01: Structural Characterization of a Bi-Directional Transport Module for Nuclear Positioning	National Institute of General Medical Sciences	95%	\$2,142,297	4/1/2021	3/31/2026
Sozanne Solmaz	CAREER: Characterization of structural dynamics and coiled-coil registry shifts in Bicaudal D2	National Science Foundation	100%	\$699,941	2/1/2021	1/31/2026
Susan Bane Tuttle	Modular construction of a multi-targeted drug delivery system	National Institute of General Medical Sciences	40%	\$171,788	4/1/2022	3/31/2024
Susan Bane Tuttle	Expanding the Utility of Boronic Acid-Based Bioorthogonal Reactions	National Science Foundation	100%	\$523,442	6/1/2021	5/31/2024
Wei Qiang	Collaborative Research: Fabrication of Filamentous Cell Penetrating Peptides as Novel Membrane-Active Biomaterials	National Science Foundation	100%	\$278,406	7/1/2021	6/30/2024

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Wei Qiang	Equipment Supplement: Molecular Mechanisms of Membrane Disruption Induced by Early-Stage Aggregation of Beta-Amyloid Peptides	National Institutes of Health	100%	\$53,830	6/1/2021	5/31/2022
			Total # Credited	42.72		
			Total \$ Credited	\$23,454,859		
020 Cinema						
Kenneth Jacobs	Binghamton, My India	National Film Preservation Foundation	100%	\$6,490	8/1/2021	10/31/2022
			Total # Credited	1.00		
			Total \$ Credited	\$6,490		
020 Computer Science						
Aravind Prakash	Binghamton University Scholarship for Service: Expanding and Strengthening the Cybersecurity Workforce	National Science Foundation	15%	\$442,238	9/1/2021	8/31/2026
Aravind Prakash	CAREER: Binary-Level Security via ABI-Centric Semantic Inference	National Science Foundation	100%	\$499,950	8/1/2021	7/31/2026
Aravind Prakash	Self-Healing Ship/Software Systems (SHSS)	Critical Technologies	100%	\$80,850	6/1/2021	5/31/2022
Dmitry Ponomarev	Binghamton University Scholarship for Service: Expanding and Strengthening the Cybersecurity Workforce	National Science Foundation	15%	\$442,238	9/1/2021	8/31/2026
Dmitry Ponomarev	Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	National Science Foundation	50%	\$347,291	7/1/2021	6/30/2025
Guanhua Yan	Binghamton University GenCyber Teacher Camp	National Security Agency	25%	\$20,611	4/1/2021	3/31/2022
Guanhua Yan	Assured Platform (Cyber Secure Collaboration) Phase I STTR	Assured Information Security Incorporated	33%	\$16,665	12/1/2021	11/30/2022

<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>
Guanhua Yan	Real-Time Detection of Advanced Malware Attacks with Ensembles of Graph Neural Networks	SUNY Central Administration	60%	\$60,000	5/14/2021	5/13/2022
Guanhua Yan	Binghamton University GenCyber Teacher Camp	National Security Agency	25%	\$32,745	9/1/2021	8/31/2022
Guanhua Yan	Machine Learning-Assisted Fuzzing for Security Testing of Internet-of-Things	Sony Corporation	100%	\$100,000	5/1/2021	4/30/2022
Guanhua Yan	Protecting Open Source Cryptography Software from Supply Chain Attacks with GNN-Based Anomaly Detection Techniques	Defense Advanced Research Projects Agency (DARPA)	100%	\$427,164	6/4/2021	12/3/2022
Hoda Naghibijouybari	SaTC: CORE: Small: Microarchitectural side channel attacks and defenses in integrated CPU-GPU systems	National Science Foundation	100%	\$536,621	10/1/2021	9/30/2024
Jeremy Blackburn	CAREER: Towards a Data-driven Understanding of Online Extremism	National Science Foundation	100%	\$517,484	7/1/2021	6/30/2026
Jeremy Blackburn	Collaborative Research: HCC: Medium: Quantitative Methods to Understand the Hybrid Media System	National Science Foundation	100%	\$372,724	10/1/2021	9/30/2025
Jeremy Blackburn	Collaborative Research: SaTC: Core: Small: Detecting Accounts Involved in Influence Campaigns on Social Media	National Science Foundation	100%	\$220,000	10/1/2021	9/30/2023
Jeremy Blackburn	Collaborative Research: GCR: Building a convergent model for bridges between online to offline coordination, collaboration, and cooperation of sustainable local communities	National Science Foundation	17%	\$296,562	9/1/2021	8/31/2026
Jeremy Blackburn	A Data-driven Measurement Study of the Use of Preprints in the Realm of Health-related Mis- and Dis-information	Media Ecosystems Analysis Group	100%	\$35,712	7/1/2021	6/30/2022
Kanad Ghose	Collaborative Research: NGSDI: Metric-Driven, Sustainable-by-Design Software Systems for Cloud Data Centers	National Science Foundation	33%	\$398,835	10/1/2021	9/30/2024
Kanad Ghose	Liquid to Air Data Center Cooling Lab Development	NVIDIA Corporation	50%	\$25,000	10/1/2020	12/31/2020

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Kartik Gopalan	Improving Performance and Functionality of Virtual Machine Templating	ITRI International Incorporated	100%	\$50,000	4/1/2021	12/31/2021
Kartik Gopalan	Binghamton University Scholarship for Service: Expanding and Strengthening the Cybersecurity Workforce	National Science Foundation	15%	\$442,238	9/1/2021	8/31/2026
Kartik Gopalan	Collaborative Research: NGSDI: Metric-Driven, Sustainable-by-Design Software Systems for Cloud Data Centers	National Science Foundation	33%	\$398,716	10/1/2021	9/30/2024
Kenneth Chiu	SRA - Performance Measurement, Analysis, and Tuning of Seismic and Machine Learning Workloads	TOTAL E&P Research & Technology USA, LLC	100%	\$94,408	12/1/2020	11/30/2021
Kenneth Chiu	EarthCube Capabilities: A Community-Driven Cyberinfrastructure for Humanitarian Geoscience	National Science Foundation	33%	\$481,461	10/1/2021	9/30/2024
Kenneth Chiu	Electronic flying qubits for quantum dot computing	US Department of Energy	13%	\$562,500	9/1/2021	8/31/2024
Lei Yu	Assured Platform (Cyber Secure Collaboration) Phase I STTR	Assured Information Security Incorporated	33%	\$16,670	12/1/2021	11/30/2022
Lijun Yin	Enhancing Pain Evaluation using Facial Expressions	Massachusetts General Hospital	100%	\$31,400	7/1/2021	6/30/2023
Lijun Yin	Consortium:Mid-scale RI-1 (M1:IP): Interactive human emotion and behavior corpus	National Science Foundation	100%	\$8,994,338	10/1/2021	9/30/2026
Lijun Yin	DISCOVER: Dynamic human Identification System mitigating COVariate Effects in Real-time	SUNY at Buffalo	100%	\$683,269	8/1/2021	7/31/2025
Mo Sha	Collaborative Research: CPS: Small: Towards Scalable and Self-Improving Industrial Wireless Control Systems	National Science Foundation	100%	\$250,000	1/1/2022	12/31/2024
Mo Sha	CAREER: Advancing Network Configuration and Runtime Adaptation Methods for Industrial Wireless Sensor-Actuator Networks	National Science Foundation	100%	\$500,000	5/1/2021	4/30/2026
Ping Yang	Assured Platform (Cyber Secure Collaboration) Phase I STTR	Assured Information Security Incorporated	33%	\$16,665	12/1/2021	11/30/2022

<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>
Ping Yang	Real-Time Detection of Advanced Malware Attacks with Ensembles of Graph Neural Networks	SUNY Central Administration	40%	\$40,000	5/14/2021	5/13/2022
Ping Yang	Binghamton University GenCyber Teacher Camp	National Security Agency	50%	\$65,490	9/1/2021	8/31/2022
Ping Yang	Binghamton University Scholarship for Service: Expanding and Strengthening the Cybersecurity Workforce	National Science Foundation	40%	\$1,179,301	9/1/2021	8/31/2026
Ping Yang	Binghamton University GenCyber Teacher Camp	National Security Agency	50%	\$41,223	4/1/2021	3/31/2022
Seunghee Shin	Research on CPU vulnerability detection and validation_2020	Korea University	100%	\$83,362	1/1/2020	12/31/2020
Shiqi Zhang	Collaborative Research: Online Multimodal Perceptual Grounding for Collaborative Robots	National Science Foundation	100%	\$375,000	10/1/2021	9/30/2024
Shiqi Zhang	Collaborative Research: NRI: Persuasive Robot Interaction that is Spatially Aware	National Science Foundation	100%	\$474,949	10/1/2021	9/30/2025
Weiyang Dai	R21: Functional MRI in Schizophrenia	Stony Brook University	100%	\$152,349	4/1/2022	3/31/2024
Weiyang Dai	III: Small: Computational modeling of baseline brain function	National Science Foundation	65%	\$324,999	9/1/2021	8/31/2024
Weiyang Dai	CRCNS Research Proposal: Collaborative Research: Global integration of brain functional networks	National Science Foundation	100%	\$599,990	10/1/2021	9/30/2024
Weiyang Dai	Mechanics of the Formation of Variable and Regular Cortical Folding Patterns in the Developing Human Brain	National Science Foundation	50%	\$293,927	7/1/2021	6/30/2024
Yifan Zhang	REU Supplement to CAREER: Enabling Edge-hosted Private Services via Unikernel-based Lightweight Virtualization	National Science Foundation	100%	\$80,000	1/1/2021	12/31/2025
Yu David Liu	Collaborative Research: NGSDI: Metric-Driven, Sustainable-by-Design Software Systems for Cloud Data Centers	National Science Foundation	33%	\$398,716	10/1/2021	9/30/2024

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Yu David Liu	Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	National Science Foundation	50%	\$347,291	7/1/2021	6/30/2025
			Total # Credited	30.62		
			Total \$ Credited	\$21,850,950		
020 DSON/Occupational Therapy						
Jane Bear-Lehman	COVID-19: Building Back Better: Identifying Sustainable Educational Practices Resulting in Positive Outcomes for Students with Disabilities during the COVID-19 Pandemic	Spencer Foundation	20%	\$9,744	9/1/2021	12/31/2022
			Total # Credited	0.20		
			Total \$ Credited	\$9,744		
020 Economics						
Andreas Pape	IGE: Enhancing Students' Deep Diversity of Knowledge and Skills via Exploration of the Orthogonal Subject-Skill Curricular Matrix	National Science Foundation	25%	\$125,000	4/1/2021	3/31/2024
Andreas Pape	New Frontiers in Understanding Human Category Learning	National Science Foundation	30%	\$55,100	8/1/2021	7/31/2022
Susan Wolcott	Award Transfer: Cliometrics Conference 2018, 2018, 2020_NCE 2021	National Science Foundation	100%	\$81,324	7/1/2021	6/30/2022
			Total # Credited	1.55		
			Total \$ Credited	\$261,424		
020 Electrical and Computer Engineering						
David Klotzkin	Stabilizing Hybrid Organic-Inorganic Perovskite Solar Cells via Diffusion Barriers and ALD Coated Thin Film Encapsulants	US Department of Energy	10%	\$87,880	6/1/2021	5/31/2024
David Klotzkin	Enhancement of Directly Modulated Laser Bandwidths through Integrated III-V/Silicon Photonic Resonance Structures	National Science Foundation	100%	\$415,087	8/1/2021	7/31/2024

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David Klotzkin	Electronic flying qubits for quantum dot computing	US Department of Energy	13%	\$562,500	9/1/2021	8/31/2024
David Klotzkin	2D Diffusion Barriers to Mitigate Ion Migration in Hybrid Organic-Inorganic Perovskite Solar Cells	US Department of Energy	30%	\$90,000	1/1/2022	12/31/2022
Douglas Summerville	STTR: The Development of Extreme Fast Charging (XFC) Solutions to Support Electric Aircraft Development and Large-scale Production and Fleet Support	Jaunt Air Mobility	100%	\$44,993	10/1/2020	3/31/2021
Emrah Akyol	CAREER: Towards a Holistic Framework for the Analysis of Information Dynamics in Human Networks	National Science Foundation	100%	\$625,780	1/1/2021	12/31/2025
Emrah Akyol	Model Explainability vs. Performance Trade-off in Socio-AI Systems	Sony Corporation	100%	\$100,000	7/1/2021	6/30/2022
Jian Li	Collaborative Research: CNS Core: Medium: Learning-Augmented Caching Management for Content Delivery: Bounds and Algorithms	National Science Foundation	100%	\$505,194	10/1/2021	9/30/2024
Jian Li	Multi-Agent Reinforcement Learning for Resource Management in Untethered Tactical Networks	Defense Advanced Research Projects Agency (DARPA)	100%	\$667,962	7/1/2021	6/30/2024
Jian Li	Resource Constrained Reinforcement Learning for Adaptive Data Analytics in Tactical Networks	US Army Research Office	100%	\$339,835	11/1/2021	10/31/2024
Jian Li	Collaborative Research: NRI: Intelligent Disassembly of Products: Integration of Reinforcement Learning and Industrial Robotics	National Science Foundation	100%	\$391,740	1/1/2022	12/31/2025
Jian Li	CRII: CNS: NeTS: Adaptive Cache Dimensioning in Cloud CDNs: Foundations and Practice	National Science Foundation	100%	\$175,000	6/1/2021	5/31/2023
Pritam Das	CAREER: MBTR Converter Based Solid State Transformers (SST): A Novel Approach to High-Performance Power Supplies	National Science Foundation	100%	\$601,869	3/1/2021	2/28/2026

<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>
Pritam Das	White Tunable OLED and Segmented OLED Lighting Platforms Powered by Selectively Dimmable Highly Efficient Multi Channel Driver	US Department of Energy	100%	\$2,608,763	9/1/2021	8/31/2024
Pritam Das	Battery Energy Storage System (BESS) with three phase Grid Integrated Inverter using 3D printed Magnetics components with Nanocrystalline soft magnetic material	MAM Inc	55%	\$35,873	6/28/2021	6/27/2022
Seokheun Choi	COVID: Development of Multiarray Biosensors and Comparative Analysis with Mass Spectrometry for Wastewater Detection of SARS-CoV-2	New Jersey Institute of Technology	100%	\$250,000	4/1/2021	3/31/2023
Seokheun Choi	FMRG:Eco: Digital Cellulose Manufacturing Technologies from Diverse Biomass Feedstocks	Stony Brook University	33%	\$412,500	12/1/2021	11/30/2025
Seokheun Choi	BRITE Fellow: Additive Manufacturing of Multispecies Microbial Electrodes	National Science Foundation	100%	\$1,000,000	9/1/2022	8/31/2027
Seokheun Choi	Plug-n-Play Micro-Bio-Photovoltaic Panels	US Navy Office of Naval Research	100%	\$509,997	7/15/2021	7/14/2024
Seokheun Choi	High-Power Long-Life Micro-sized Microbial Solar Cells To Power Untended WSNs	National Science Foundation	100%	\$511,782	1/1/2021	12/31/2023
Seokheun Choi	Wireless Compressed Sensed Neurophysiology: Reliable Interface, Robust Algorithm and Scalable Hardware	National Science Foundation	40%	\$182,218	9/1/2021	8/31/2024
Seokheun Choi	Rapid, High-Throughput, and Real-time Assessment of Antibiotic Effectiveness Against Pathogenic Biofilms	National Science Foundation	100%	\$430,362	6/1/2021	5/31/2024
Tara Dhakal	Stabilizing Hybrid Organic-Inorganic Perovskite Solar Cells via Diffusion Barriers and ALD Coated Thin Film Encapsulants	US Department of Energy	65%	\$571,223	6/1/2021	5/31/2024
Tara Dhakal	Electronic flying qubits for quantum dot computing	US Department of Energy	13%	\$562,500	9/1/2021	8/31/2024
Tara Dhakal	NSF Supplement: PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	National Science Foundation	100%	\$50,888	7/1/2021	6/30/2022

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Tara Dhakal	2D Diffusion Barriers to Mitigate Ion Migration in Hybrid Organic-Inorganic Perovskite Solar Cells	US Department of Energy	40%	\$120,000	1/1/2022	12/31/2022
Wenfeng Zhao	Wireless Compressed Sensed Neurophysiology: Reliable Interface, Robust Algorithm and Scalable Hardware	National Science Foundation	60%	\$273,328	9/1/2021	8/31/2024
Wenfeng Zhao	Causality-Aware Compressed Sensing	Google LLC	100%	\$60,000	9/1/2021	8/31/2022
Wenfeng Zhao	Scaling Up Wireless Neural Recordings Beyond 1,000 Channels	National Institutes of Health	100%	\$586,960	3/1/2022	2/28/2025
Xiaohua Li	ERSES-5G: Integrated 5G Imaging and Communication Surveillance as an Edge Service Secured by a Lightweight Environmental Fingerprint Consensus Blockchain	US Air Force Office of Scientific Research	50%	\$98,541	6/1/2021	5/31/2024
Xiaohua Li	ASCENT: Toward Scalable High-density Dynamic Optical Phased Arrays Integrated on CMOS IC for LIDAR Applications	University at Buffalo	100%	\$279,999	10/1/2021	9/30/2025
Yu Chen	Collaborative Research: SaTC: CORE: Medium: Human-Centric Privacy Mechanisms for Legacy and Future Drones	National Science Foundation	100%	\$299,368	6/1/2021	5/31/2024
Yu Chen	PFI-TT: Privacy-aware Smart Edge Cameras for Modeling Safety Index in a Crowd (MOSAIC) against COVID-19 and Beyond	University of Missouri-Kansas City	100%	\$100,000	7/1/2021	6/30/2023
Yu Chen	ERSES-5G: Integrated 5G Imaging and Communication Surveillance as an Edge Service Secured by a Lightweight Environmental Fingerprint Consensus Blockchain	US Air Force Office of Scientific Research	50%	\$98,541	6/1/2021	5/31/2024
Yu Chen	Drones, Phones, and Cones: The IoT Sensing Grid	Technergetics Limited Liability Company	100%	\$77,001	2/15/2021	2/14/2022
Yu Chen	Binghamton University Scholarship for Service: Expanding and Strengthening the Cybersecurity Workforce	National Science Foundation	15%	\$442,238	9/1/2021	8/31/2026

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Ziang Zhang	DOE Consortium on Grid-Forming Technologies	Illinois Institute of Technology	100%	\$250,063	10/1/2021	9/30/2026
			Total # Credited	28.73		
			Total \$ Credited	\$14,419,985		

020 English

David Sterling Brown	Minding Whiteness: The Racial Imaginaries of Our Time	American Council of Learned Societies	100%	\$98,000	5/1/2021	4/30/2023
			Total # Credited	1.00		
			Total \$ Credited	\$98,000		

020 Entrepreneurship and Innovation Partnership

Olga Petrova	XCEED Energy	US Department of Energy	50%	\$500,000	7/1/2021	6/30/2024
Olga Petrova	VentureWell Student Grant: KLaw Industries-Recycled Glass Pozzolan	VentureWell	50%	\$2,500	1/1/2021	12/31/2021
Olga Petrova	FuzeHub: Scale-Up of Recycled Glass Pozzolan Manufacturing	FuzeHub	100%	\$49,900	9/1/2021	8/31/2022
Olga Petrova	VentureWell E-Team Phase II: Recycled Glass Pozzolan	VentureWell	100%	\$20,000	7/1/2021	12/31/2022
Olga Petrova	I-Corps: Recycled Glass Pozzolan	National Science Foundation	100%	\$50,000	1/1/2021	12/31/2021
Olga Petrova	Southern Tier STEM Talent (ST2)	Economic Development Administration	50%	\$150,000	5/1/2021	4/30/2023
Olga Petrova	VentureWell Faculty: BME I-Corps	VentureWell	100%	\$30,000	1/1/2021	12/31/2023
Olga Petrova	Asynchronous Incubation of Biomedical Innovations	Economic Development Administration	50%	\$375,000	7/1/2021	12/31/2022
Per Stromhaug	Advancing Industry 4.0 in the Southern Tier of New York	Association of Public & Land grant Universities	34%	\$30,600	7/1/2021	12/31/2022
Per Stromhaug	Binghamton Reimagine Workforce Center	Empire State Development Corp	100%	\$342,000	7/1/2021	6/30/2023

<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>
Per Stromhaug	Southern Tier Tech Connect	Economic Development Administration	100%	\$955,000	9/1/2021	8/31/2026
Per Stromhaug	SUPPLEMENT: Type 1: Innovation Binghamton NSF I-Corps Site (2021)	National Science Foundation	100%	\$59,999	8/1/2021	7/31/2022
Per Stromhaug	XCEED-NY Technology Accelerator	Economic Development Administration	100%	\$1,500,000	10/22/2021	10/21/2024
Per Stromhaug	Supercharge New York (DOE Sub-in New Energy Nexus NY, LLC)	New Energy Nexus New York	100%	\$150,000	7/1/2021	6/30/2024
Per Stromhaug	Asynchronous Incubation of Biomedical Innovations	Economic Development Administration	50%	\$375,000	7/1/2021	12/31/2022
Per Stromhaug	VentureWell Student Grant: KLaw Industries-Recycled Glass Pozzolan	VentureWell	50%	\$2,500	1/1/2021	12/31/2021
Per Stromhaug	Southern Tier STEM Talent (ST2)	Economic Development Administration	50%	\$150,000	5/1/2021	4/30/2023
Per Stromhaug	XCEED Energy	US Department of Energy	50%	\$500,000	7/1/2021	6/30/2024
Scott Hancock	Advancing Industry 4.0 in the Southern Tier of New York	Association of Public & Land grant Universities	33%	\$29,700	7/1/2021	12/31/2022
Scott Moser	Advancing a vacuum stripping and absorption (VaSA) technology for value-added treatment of ammonia-rich wastewater (Sub-in)	SUNY College of Env Sci and Forestry	100%	\$12,667	9/1/2021	2/28/2023
			Total # Credited	14.67		
			Total \$ Credited	\$5,284,866		

020 Geography

Chengbin Deng	HEGS: Urban Thermal Dynamics, Urban Landscape Transitions and Social Processes	National Science Foundation	100%	\$345,987	2/1/2021	1/31/2024
Chengbin Deng	Measuring Urban Vitality Across the US: Dimension, Transition, and Resilience	National Science Foundation	100%	\$284,054	9/1/2021	8/31/2023
Laura Pangalozzi	Modeling the Susceptibility of Catskill Waterbodies to Invasive Plants and Animals - Hanny Mendoza & Michael Jersey	Cary Institute of Ecosystem Studies	100%	\$15,000	6/1/2021	5/31/2022

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			Total # Credited	3.00		
			Total \$ Credited	\$645,041		

020 Geological Sci & Environmental Studies

Alex Nikulin	IGE: Translational Research in Ecology and Environmental Science (TREES)	National Science Foundation	25%	\$123,847	8/1/2021	7/31/2024
Alex Nikulin	EarthCube Capabilities: A Community-Driven Cyberinfrastructure for Humanitarian Geoscience	National Science Foundation	34%	\$496,051	10/1/2021	9/30/2024
Jeffrey T Pietras	Linking the Distribution, Surface Morphology, and Formation of Lacustrine Bioherm Reservoir Facies to Environmental Conditions: Fayetteville Green Lake, NY	American Chemical Society	50%	\$55,000	1/1/2022	12/31/2023
Jonathan Schmitkons	Linking the Distribution, Surface Morphology, and Formation of Lacustrine Bioherm Reservoir Facies to Environmental Conditions: Fayetteville Green Lake, NY	American Chemical Society	50%	\$55,000	1/1/2022	12/31/2023
Peter Knuepfer	Historical Coastline Changes, Southwestern Lake Ontario, NY	Great Lakes Research Consortium	100%	\$24,035	5/1/2021	4/30/2023
Timothy de Smet	Examining the Impact of Large Wood Accumulations on Turbidity in Stony Clove Watershed Streams using Remote Sensing	Cary Institute of Ecosystem Studies	100%	\$15,000	6/1/2021	5/31/2022
Timothy de Smet	EarthCube Capabilities: A Community-Driven Cyberinfrastructure for Humanitarian Geoscience	National Science Foundation	33%	\$481,461	10/1/2021	9/30/2024
Timothy de Smet	Layers of risk: using system dynamics modeling to integrate geospatial, ecological, and human behavioral factors affecting tick-borne disease transmission in built environments	National Science Foundation	25%	\$552,766	6/1/2021	5/31/2025
Timothy de Smet	IGE: Translational Research in Ecology and Environmental Science (TREES)	National Science Foundation	25%	\$123,847	8/1/2021	7/31/2024

<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>
Timothy de Smet	Past and future resilience to freshwater scarcity on Oceanic Islands: A Rapa Nui (Easter Island) Case Study	National Science Foundation	25%	\$60,894	11/1/2021	10/31/2024
Yuxin Wang	MultiTOX- An interdisciplinary approach for developing a novel predictive tool for assessing multiple pollutants on terrestrial populations	Strategic Environmental Research and Development Program (SERDP)	25%	\$342,427	4/1/2022	3/31/2025
			Total # Credited	4.92		
			Total \$ Credited	\$2,330,327		

020 Health and Wellness Studies

Lina Begdache	SRS RN: Planning a localized regenerative food system for rural-urban communities	National Science Foundation	25%	\$37,500	9/1/2021	8/31/2022
			Total # Credited	0.25		
			Total \$ Credited	\$37,500		

020 Health Outcomes and Administrative Sciences

Utkarsh Dang	Validating biomarker and outcome correlations and signatures of baseline severity in steroid-na?ve DMD patients	Foundation to Eradicate Duchenne	100%	\$39,447	1/1/2021	12/31/2021
Utkarsh Dang	Study of Long-Term Treatment of Vamorolone on Prevention of Cardiac Disease in D	Department of Defense (CDMRP)	25%	\$335,590	7/1/2021	6/30/2024
Utkarsh Dang	R61/R33 Resubmission: Biomarker Signatures for Duchenne Muscular Dystrophy.	National Institutes of Health	50%	\$1,385,706	9/1/2021	8/31/2026
			Total # Credited	1.75		
			Total \$ Credited	\$1,760,742		

020 History

Bradley Skopyk	Living History of COVID-19: an enhanced global pandemic dashboard of public health, politics, economy, culture	American Council of Learned Societies	50%	\$75,000	7/1/2021	6/30/2022
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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>
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Total # Credited **0.50**
Total \$ Credited **\$75,000**

020 Library Services

Heather Parks	2020-2021 Conservation & Preservation Program Grant	NYS Education Department	100%	\$46,483	4/1/2020	3/31/2021
James Galbraith	Library Collections 2020-2021	NYS Education Department	100%	\$17,482	7/1/2020	6/30/2021

Total # Credited **2.00**
Total \$ Credited **\$63,965**

020 Mathematical Sciences

Cary Malkiewich	FRG: Collaborative Research: Trace methods and applications for cut-and-paste K-theory	National Science Foundation	100%	\$126,321	7/1/2021	6/30/2024
Eugenia Sapir	Comparative Teichmuller Theory	Simons Foundation	100%	\$42,000	9/1/2021	8/31/2026
Guifang Fu	CAREER: Data Science at the Interface of Morphology and Genome Data	National Science Foundation	100%	\$458,046	7/1/2021	6/30/2026
Guifang Fu	Collaborative research on statistical models studying the dynamic morphology-gene association	Simons Foundation	100%	\$42,000	9/1/2021	8/31/2026
Mei-Hsiu Chen	R21: Evaluating the Impact of Medication Storage on Pediatric Poisonings	National Institutes of Health	30%	\$130,296	7/1/2021	6/30/2023
Michael Dobbins	Analogs of Grassmannians and homeomorphism groups of surfaces	National Science Foundation	100%	\$150,798	7/1/2021	6/30/2024
Sanjeena Dang	R01: Role of Angiopoietin in in vitro Islet Development	National Institutes of Health	5%	\$78,500	7/1/2021	6/30/2025
Xingye Qiao	III: Small: Computational modeling of baseline brain function	National Science Foundation	35%	\$174,999	9/1/2021	8/31/2024

Total # Credited **5.70**
Total \$ Credited **\$1,202,960**

020 Mechanical Engineering

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Bahgat Sammakia	Liquid to Air Data Center Cooling Lab Development	NVIDIA Corporation	50%	\$25,000	10/1/2020	12/31/2020
Bahgat Sammakia	USPAE - Cornerstone Lead-free Solder Proposal (Sub-in Purdue)	Purdue University	34%	\$743,324	9/1/2020	8/31/2025
Bahgat Sammakia	AeroBing Rocketry Research Group	NASA NY Space Grant Consortium	100%	\$2,000	4/1/2021	3/31/2022
Bahgat Sammakia	R01 Sub-in: Thin-slab detectors to revolutionize performance for next generation brain PET imaging	Cornell University	33%	\$82,101	4/1/2022	3/31/2025
Bahgat Sammakia	Thin-Film Thermal Characterizations for AMAT	Applied Materials	20%	\$3,000	10/1/2020	1/31/2021
Bahgat Sammakia	Cornerstone Workforce Development Phase 2 (Sub-in Purdue)	Purdue University	34%	\$141,100	11/1/2021	10/31/2023
Bahgat Sammakia	Autonomous Detector Modules for Custom Wearable Brain PET	Upstate Medical University Foundation	25%	\$112,620	7/1/2021	6/30/2024
Guangwen Zhou	PNNL Subcontract: Materials Synthesis and Simulations Across Scales (MS3), Richland, WA, USA (2020-2021)	Pacific Northwest National Laboratory	100%	\$40,000	10/1/2020	9/30/2021
Guangwen Zhou	In Situ Visualization and Theoretical Modeling of Early Stages of Oxidation of Metals and Alloys	US Department of Energy	100%	\$450,000	5/15/2021	5/14/2024
Guangwen Zhou	Atomic-Scale Origin of Oscillatory Kinetics of Catalytic Oxidation Reactions over Bimetallic Nanoparticles	US Department of Energy	33%	\$223,678	7/1/2021	6/30/2024
Junghyun Cho	PDRD - Conformal Coating Tin Whiskers MOD 1 (2020 Gap Funds)	Honeywell Federal Manufacturing & Technologies LLC	100%	\$20,000	8/4/2020	8/3/2021
Junghyun Cho	SBIR Phase I: Networked Innovative Anaerobic Digester Systems for Improved Management and Operational Success on Small and Mid-Sized Farms	Atlantic Ocean Aquaculture	100%	\$25,001	2/1/2021	1/31/2022
Junghyun Cho	PDRD - Conformal Coating Tin Whiskers (Year 3)	Honeywell Federal Manufacturing & Technologies LLC	100%	\$85,001	12/1/2020	11/30/2021

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Junghyun Cho	Electronic Assembly Solder Alloy Development	Universal Instruments Corporation	100%	\$31,656	6/1/2021	12/31/2021
Kaiyan Yu	Ray-Based Distributed Computing in Multi-Task Functional Data Analysis for Neuromorphic Computing and Other Applications	SUNY Central Administration	20%	\$20,000	6/1/2021	5/31/2022
Mirjalil Razaviaghjeh	HDR Institute: Defining, Demystifying, and Applying Human Brain Regularity to Understand Brain Function: Imaging, Genetics, and Simulation	University of Georgia	100%	\$1,043,180	10/1/2021	9/30/2026
Mirjalil Razaviaghjeh	R21: Accurate Characterization of the Mechanical Properties of Axonal Fibers in the Brain	National Inst of Neurological Disorders & Stroke	50%	\$202,195	4/1/2022	3/31/2024
Mirjalil Razaviaghjeh	Disentangle Human Brain Regularity, Variability and Abnormality: Imaging and Simulation of Neurodevelopment	University of Georgia	100%	\$555,610	4/1/2021	3/31/2025
Mirjalil Razaviaghjeh	Accurate Characterization of the Mechanical Properties of Myelinated Axons	Alternatives Research & Development Foundation	50%	\$20,000	8/2/2021	8/1/2022
Mirjalil Razaviaghjeh	Mechanics of the Formation of Variable and Regular Cortical Folding Patterns in the Developing Human Brain	National Science Foundation	50%	\$293,927	7/1/2021	6/30/2024
Mirjalil Razaviaghjeh	Physical Correlation Between Neural Connectivity and Cortical Folding Patterns	Brain and Behavior Research Foundation	100%	\$70,000	1/15/2022	1/14/2024
Paul Chiarot	Collaborative Research: Probing the Stimulated Release of Microvesicles from Templates	National Science Foundation	50%	\$216,786	1/1/2022	12/31/2024
Pu Zhang	Understanding Interface Formation and Bonding Mechanisms in Carbon Fiber Reinforced Plastic/Titanium Stacks Manufactured via Directed Energy Deposition	National Science Foundation	50%	\$259,897	1/1/2022	12/31/2024
Scott Schiffres	SRC Undergraduate Research Program (Matt Heitner)	SRC Incorporated	100%	\$2,600	11/1/2020	10/31/2021

<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>
Scott Schiffres	Battery Energy Storage System (BESS) with three phase Grid Integrated Inverter using 3D printed Magnetics components with Nanocrystalline soft magnetic material	MAM Inc	45%	\$29,350	6/28/2021	6/27/2022
Scott Schiffres	USPAE - Cornerstone Lead-free Solder Proposal (Sub-in Purdue)	Purdue University	33%	\$721,462	9/1/2020	8/31/2025
Scott Schiffres	NSF SBIR: Dye Enhanced 3D Printed Copper	ChromaNano Tech LLC	100%	\$79,999	6/1/2021	5/31/2022
Scott Schiffres	R01 Sub-in: Thin-slab detectors to revolutionize performance for next generation brain PET imaging	Cornell University	34%	\$84,589	4/1/2022	3/31/2025
Scott Schiffres	Selective Laser Melting - Testing of New Polymer Powder	Lockheed Martin	100%	\$15,000	10/1/2020	9/30/2021
Scott Schiffres	Thin-Film Thermal Characterizations for AMAT	Applied Materials	80%	\$12,000	10/1/2020	1/31/2021
Scott Schiffres	COVID: Screening of Spunbond-Meltdown-Spunbond Polymers for Filtration AMD 1	Cardinal Health 200 Limited Liability Company	100%	\$30,000	7/1/2020	12/31/2020
Scott Schiffres	Autonomous Detector Modules for Custom Wearable Brain PET	Upstate Medical University Foundation	25%	\$112,620	7/1/2021	6/30/2024
Scott Schiffres	Cornerstone Workforce Development Phase 2 (Sub-in Purdue)	Purdue University	33%	\$136,950	11/1/2021	10/31/2023
Seungbae Park	Development of Closed-Loop Control and Optimization Modules	Koh Young Technology Incorporated	34%	\$51,000	1/4/2021	1/3/2022
Seungbae Park	Cornerstone - Defense Electronics Consortium / Lead-Free Solders	US Army Contracting Command	100%	\$5,959,881	1/1/2021	12/31/2023
Seungbae Park	Cornerstone Workforce Development Phase 2 (Sub-in Purdue)	Purdue University	33%	\$136,950	11/1/2021	10/31/2023
Seungbae Park	Evaluation of TGV Thermo-mechanical Behavior by micro-DIC	Corning Incorporated	100%	\$60,000	12/31/2020	11/30/2021
Shahrzad Towfighian	R01 Self-Powered Load Sensors for Total Knee Replacement Health Monitoring	National Inst of Arthritis Musculoskeletal & Skin	100%	\$2,687,442	4/1/2022	3/31/2027
Shahrzad Towfighian	NSF SUPP: MEMS High Voltage Triboelectric Levitation: A Generactuator	National Science Foundation	100%	\$54,999	9/1/2021	2/28/2022

<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>
Shahrzad Towfighian	Discover Tunable MEMS Metamaterials for High-Resolution IR skin cancer imaging	National Cancer Institute	100%	\$2,813,952	9/1/2021	8/31/2026
Shahrzad Towfighian	R01: Self-Powered Load Sensors for Total Knee Replacement Health Monitoring	National Institutes of Health	100%	\$2,347,137	4/1/2021	3/31/2026
Shahrzad Towfighian	Soft, ElectroNic Skin-Innervated Robotic Worm for Rapid Maintenance of Strategic Assets (Sensiworm)	Flex Tech Alliance	50%	\$450,000	1/1/2021	6/30/2022
Srikanth Rangarajan	Autonomous Detector Modules for Custom Wearable Brain PET	Upstate Medical University Foundation	25%	\$112,620	7/1/2021	6/30/2024
Timothy Singler	MRI: Acquisition of an Advanced Rheometer	National Science Foundation	25%	\$38,448	8/1/2021	7/31/2022
Xin Yong	Collaborative Research: In-Air Self-Assembly of Multiphase Droplets in Electrospray Deposition	National Science Foundation	100%	\$272,417	7/1/2021	6/30/2024
Xin Yong	Collaborative Research: Probing the Stimulated Release of Microvesicles from Templates	National Science Foundation	50%	\$216,786	1/1/2022	12/31/2024
Xudong Liang	Programming High-power Density Soft Material Systems with Mechanical Structures	Robert and Mary Haythornthwaite Foundation	100%	\$19,960	1/1/2021	12/31/2021
				Total # Credited	31.66	
				Total \$ Credited	\$21,112,235	
020 Music						
Sarah Gerck	A Sound Study of Earlier America: Reoriented Approaches to Music in the United States during the Long Nineteenth Century	National Endowment for the Humanities	100%	\$50,000	10/1/2021	9/30/2022
Sarah Gerck	Music for All: Towards Racial Equity in Nineteenth-Century American Music History	Spencer Foundation	100%	\$48,017	12/6/2021	12/5/2022
				Total # Credited	2.00	
				Total \$ Credited	\$98,017	

020 Pharmaceutical Sciences

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Anthony DiPasqua	STTR Phase 1 (Resubmission): Use of Radiotherapeutic Bandages for the Treatment of Infantile Hemangiomas	DB Therapeutics Incorporated	100%	\$235,583	9/1/2021	8/31/2022
Eric Hoffman	Study of Long-Term Treatment of Vamorolone on Prevention of Cardiac Disease in D	Department of Defense (CDMRP)	75%	\$1,006,769	7/1/2021	6/30/2024
Eric Hoffman	Dystrophin Turnover After Exon-skipping Therapy	National Institutes of Health	5%	\$189,587	7/1/2022	6/30/2027
Kanneboyina Nagaraju	Targeting the innate immune system to block acute inflammatory and chronic immune responses to transgene and AAV vector in DMD	Parent Project for Muscular Dystrophy Research Inc	100%	\$350,000	1/4/2021	1/3/2023
Kanneboyina Nagaraju	R21: Urine biomarkers in juvenile Dermatomyositis	National Institutes of Health	50%	\$215,875	7/1/2021	6/30/2023
Kanneboyina Nagaraju	Delineating host cell response from impact of viral replication using a liposomal SARS-CoV-2 mimic'	National Institute of Allergy & Infectious Disease	50%	\$215,875	7/1/2021	6/30/2023
Kanneboyina Nagaraju	R21: Blocking Type 1 IFN Signature in Myositis Muscle Using SARS CoV-2 Proteins	National Institutes of Health	50%	\$215,875	9/1/2021	8/31/2023
Kanneboyina Nagaraju	Dystrophin Turnover After Exon-skipping Therapy	National Institutes of Health	50%	\$1,895,866	7/1/2022	6/30/2027
Kanneboyina Nagaraju	Blocking Type 1 IFN signature in myositis muscle using SARS CoV-2 proteins	Myositis Association	50%	\$100,000	1/3/2022	1/2/2024
Katie Edwards	Effects of Dietary Thiaminase on Two Strains of Lake Trout	Great Lakes Fishery Commission	100%	\$6,000	4/1/2021	3/31/2022
Katie Edwards	Effect of Biguanide Therapeutic Agents on Thiamine-Mediated Metabolism in Human Skeletal Muscle Cells	National Institutes of Health	100%	\$431,750	4/1/2022	3/31/2024
Katie Edwards	Enhancing PMO uptake in DMD through metabolic regulation using Vitamin B1	Muscular Dystrophy Association of America	100%	\$25,000	9/1/2021	8/31/2022
Katie Edwards	R21:COVID-19: Surveillance Testing of COVID-19 Using Mask Sampling and Enhanced Biorecognition	National Institutes of Health	100%	\$609,760	9/1/2021	8/31/2024

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Katie Edwards	Delineating host cell response from impact of viral replication using a liposomal SARS-CoV-2 mimic'	National Institute of Allergy & Infectious Disease	50%	\$215,875	7/1/2021	6/30/2023
Katie Edwards	R21: FLIPOSpot: A Quantitative Assay to Characterize Cytokine Production Following Vaccination or Natural Exposure to SARS-CoV-2	National Institute of Allergy & Infectious Disease	100%	\$391,850	9/1/2021	8/31/2023
L. Nathan Tumey	Defining the Mechanisms and Minimizing Immunogenicity of IPSE, an Anti-Inflammatory Urogenital Parasite Protein and Potential Therapeutic for Urinary Tract Infections	Children's Hospital & Regional Medical Center	100%	\$554,550	10/1/2021	9/30/2026
L. Nathan Tumey	R21: POLR2A transport inhibitors loaded engineered extracellular vesicles for targeted cancer therapy using wild type p53 as a predictive marker	National Institutes of Health	50%	\$205,615	7/1/2021	6/30/2023
L. Nathan Tumey	R01 Resubmission - Optimization of IPSE, a Parasite-Derived Protein, as a Drug for Visceral Pain	Childrens Research Institute	100%	\$588,750	4/1/2022	3/31/2027
L. Nathan Tumey	Therapeutic Exploitation of Parasite Proteins as Anti-Inflammatory and Analgesic Drugs	Childrens Research Institute	100%	\$7,000	1/1/2022	12/31/2022
L. Nathan Tumey	Modular construction of a multi-targeted drug delivery system	National Institute of General Medical Sciences	60%	\$257,682	4/1/2022	3/31/2024
L. Nathan Tumey	Synthesis and Optimization of KRAS G4-targeted Therapies for KRAS-dependent Pancreatic and Ovarian Cancers	National Cancer Institute	25%	\$490,625	7/1/2022	6/30/2027
L. Nathan Tumey	Defining and Optimizing IPSE, a Urogenital Parasite Protein, as a Bladder Repair-Promoting Drug	Childrens Research Institute	100%	\$588,750	4/1/2022	3/31/2027
L. Nathan Tumey	R03: Exploration of Thailanstatin ADCs for the Treatment of B-cell Lymphomas	National Cancer Institute	100%	\$157,000	7/1/2021	6/30/2023
L. Nathan Tumey	R01: Legumain to the rescue: A new ADC linker strategy to address the limitations of cathepsin cleavage	National Institute of General Medical Sciences	65%	\$1,231,165	9/1/2021	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>
L. Nathan Tumey	R01 Resubmission: Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	National Institutes of Health	50%	\$964,150	8/1/2021	7/31/2026
L. Nathan Tumey	R03 Resubmission: "Molecular whack-a-mole": Targeting Transmembrane-TNF?or the Delivery of Anti-Inflammatory Drugs	National Institutes of Health	100%	\$157,000	7/1/2021	6/30/2023
L. Nathan Tumey	R01: KRAS promoter G-quadruplex targeting with indoloquinolones and related compounds: synthesis, screening, and validation	National Cancer Institute	40%	\$618,880	7/1/2021	6/30/2025
L. Nathan Tumey	UG3/UH3:Chemokine- and Bioconjugation-Based Optimization of IPSE, a Parasite Protein, as a Non-Addictive Analgesic	National Institutes of Health	100%	\$803,730	10/1/2021	9/30/2026
L. Nathan Tumey	Synthis Therapeutics Testing Agreement	Synthis Therapeutics	100%	\$17,270	3/15/2021	3/14/2022
Melissa Morales	Testing the efficacy of type I interferon pathway inhibitors in a mouse model of myositis	CURE JM Foundation	100%	\$150,000	11/1/2021	10/31/2023
Melissa Morales	Blocking Type 1 IFN signature in myositis muscle using SARS CoV-2 proteins	Myositis Association	50%	\$100,000	1/3/2022	1/2/2024
Melissa Morales	Dystrophin Turnover After Exon-skipping Therapy	National Institutes of Health	5%	\$189,587	7/1/2022	6/30/2027
Melissa Morales	R21: Blocking Type 1 IFN Signature in Myositis Muscle Using SARS CoV-2 Proteins	National Institutes of Health	50%	\$215,875	9/1/2021	8/31/2023
Melissa Morales	NIAMS K01: Investigating the Role of Type I Interferons on Muscle Weakness in Autoimmune Myositis	National Institutes of Health	100%	\$668,601	7/1/2021	6/30/2026
Melissa Morales	R21: Urine biomarkers in juvenile Dermatomyositis	National Institutes of Health	50%	\$215,875	7/1/2021	6/30/2023
Mohammad Ali	RYBP enhancer as a Novel DNA Repair Inhibitor in Cancer Therapy	American Foundation Pharmaceutical Education	100%	\$5,000	6/1/2021	5/31/2022
Mohammad Ali	AACP : The Role of Intracellular MMP-2 in Cancer Progression	American Association of Colleges of Pharmacy	100%	\$10,000	3/1/2021	2/28/2022
Tony Davis	R00 - Interrogation of Microbial Methyltransferases	National Institutes of Health	100%	\$746,999	7/1/2021	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>
Tracy Brooks	R01: KRAS promoter G-quadruplex targeting with indoloquinolones and related compounds: synthesis, screening, and validation	National Cancer Institute	60%	\$928,320	7/1/2021	6/30/2025
Tracy Brooks	R01 Resubmission: Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	National Institutes of Health	25%	\$482,075	8/1/2021	7/31/2026
Tracy Brooks	R01: Legumain to the rescue: A new ADC linker strategy to address the limitations of cathepsin cleavage	National Institute of General Medical Sciences	35%	\$662,935	9/1/2021	8/31/2026
Tracy Brooks	Synthesis and Optimization of KRAS G4-targeted Therapies for KRAS-dependent Pancreatic and Ovarian Cancers	National Cancer Institute	75%	\$1,471,875	7/1/2022	6/30/2027
William Eggleston	R21: Evaluating the Impact of Medication Storage on Pediatric Poisonings	National Institutes of Health	70%	\$304,024	7/1/2021	6/30/2023
Yetrib Hathout	Serum Biomarker Initiative for Becker's Muscular Dystrophy	Foundation to Eradicate Duchenne	100%	\$25,377	1/1/2021	12/31/2021
Yetrib Hathout	Dystrophin Turnover After Exon-skipping Therapy	National Institutes of Health	40%	\$1,516,693	7/1/2022	6/30/2027
Yetrib Hathout	Characterization of the regulation and role of a GBS colonization factor	National Institute of Allergy & Infectious Disease	5%	\$93,576	9/1/2022	8/31/2027
Yetrib Hathout	R61/R33 Resubmission: Biomarker Signatures for Duchenne Muscular Dystrophy.	National Institutes of Health	50%	\$1,385,706	9/1/2021	8/31/2026
Yetrib Hathout	Generate Stable Isotope Labeled Dystrophin Through Culturing of Immortalized Human Muscle Cells.	Vertex Pharmaceuticals Incorporated	100%	\$15,625	4/15/2021	4/14/2022
			Total # Credited	33.85		
			Total \$ Credited	\$21,935,973		

020 Pharmacy Practice

Amanda Mogul	Evaluating the Impact of an at Home Medication Disposal System on Safe Medication Disposal	American Association of Colleges of Pharmacy	100%	\$3,000	1/1/2021	12/31/2021
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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>
Sara Spencer	COVID-19: Perceptions of Campus-wide COVID Testing	New York State Council Health System Pharmaci	100%	\$2,000	4/1/2021	3/31/2022
Wesley Kufel	Impact of vancomycin plus Ceftaroline Combination Therapy for Persistent Methicillin-Resistant Staphylococcus Aureus Bacteremia	American College of Clinical Pharmacy	100%	\$3,000	1/4/2021	1/3/2022
William Eggleston	Evaluating the Impact of a Naloxone Training Device	American Foundation Pharmaceutical Education	100%	\$5,000	6/1/2021	5/31/2022
			Total # Credited	4.00		
			Total \$ Credited	\$13,000		

020 Philosophy

Maxim Pensky	An Analysis of the Relation Between Speech Legitimizing Violence and Mass Violence	Auschwitz Inst for the Prev of Genocide & Mass Atrocities	50%	\$10,000	11/20/2020	3/19/2021
Nicole Hassoun	Global health justice and equitable vaccine allocation	World Health Organization	100%	\$25,000	11/21/2020	11/20/2021
Nicole Hassoun	Research: Ethics and New Scientific Technologies in Pandemic Preparedness and Response	National Science Foundation	100%	\$602,994	10/1/2021	9/30/2024
			Total # Credited	2.50		
			Total \$ Credited	\$637,994		

020 Physics Applied Physics & Astronomy

Alexey Kolmogorov	EAGER:SUPER:Collaborative Research: Ab initio engineering of doped-covalent-bond superconductors	National Science Foundation	50%	\$113,473	9/1/2021	8/31/2023
Bonggu Shim	Fundamental Study of Waveguide Fabrication via Femtosecond Laser Micromachining	National Science Foundation	50%	\$229,068	2/1/2021	1/31/2024
Bonggu Shim	Electronic flying qubits for quantum dot computing	US Department of Energy	13%	\$562,500	9/1/2021	8/31/2024
Bonggu Shim	Control of Directed Laser Energy in Ultra-Short Pulse Laser Filamentation	US Navy Office of Naval Research	100%	\$805,155	10/1/2021	9/30/2026

<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>
Elena Margine	Frameworks: An Interoperable Software Ecosystem for Many-Body Electronic Structure Calculations	University of Texas at Austin	100%	\$838,500	5/1/2021	4/30/2025
Elena Margine	EAGER:SUPER:Collaborative Research: Ab initio engineering of doped-covalent-bond superconductors	National Science Foundation	50%	\$113,473	9/1/2021	8/31/2023
Eric Cotts	Electromigration characterization of Low Temperature Solder Alloys (Spring 2021)	Universal Instruments Corporation	100%	\$35,999	1/15/2021	7/14/2021
Jeffrey Mativetsky	COVID: Wearable Real-time Health Monitoring for Early Detection and Mitigation of Viral Respiratory Disease	Department of Defense (CDMRP)	80%	\$1,222,926	9/1/2020	8/31/2024
Jeffrey Mativetsky	R21: Wearable Artificial Intelligence-Enabled Respiratory Health Monitoring	National Institutes of Health	50%	\$205,562	7/1/2021	6/30/2023
Jeffrey Mativetsky	Wearable AI-Enabled Respiratory Health Monitoring	Nano-Bio Materials Consortium	50%	\$291,326	3/1/2021	2/28/2023
Jeffrey Mativetsky	BRITE Synergy: Scalable and Green Manufacturing of Curvilinear Electronics	National Science Foundation	100%	\$358,040	1/1/2022	12/31/2023
Louis Piper	REU Supplement: Rational Design of Oxide Cathode Coatings for High Performance Li-ion Batteries	National Science Foundation	33%	\$1,980	10/15/2020	10/14/2021
Manuel Smeu	Fundamental Study of Waveguide Fabrication via Femtosecond Laser Micromachining	National Science Foundation	50%	\$229,068	2/1/2021	1/31/2024
Manuel Smeu	Collaborative Research: Tailoring Electron and Spin Transport in Single Molecule Junctions	National Science Foundation	100%	\$179,971	8/1/2021	7/31/2024
Manuel Smeu	CAREER: CAS: Ab Initio Modeling of Electrode-Electrolyte Interfaces in Multivalent Ion Batteries	National Science Foundation	100%	\$450,000	1/1/2021	12/31/2025
Manuel Smeu	REU Supplement: Rational Design of Oxide Cathode Coatings for High Performance Li-ion Batteries	National Science Foundation	33%	\$1,980	10/15/2020	10/14/2021
Michael Lawler	Electronic flying qubits for quantum dot computing	US Department of Energy	13%	\$562,500	9/1/2021	8/31/2024

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Pegor Aynajian	Probing emergent electronic states in geometrically frustrated pyrochlore iridates	National Science Foundation	100%	\$405,239	7/1/2021	6/30/2024
Pegor Aynajian	Electronic flying qubits for quantum dot computing	US Department of Energy	13%	\$562,500	9/1/2021	8/31/2024
Wei-Cheng Lee	Electronic flying qubits for quantum dot computing	US Department of Energy	13%	\$562,500	9/1/2021	8/31/2024
			Total # Credited	11.96		
			Total \$ Credited	\$7,731,758		

020 Physics, Applied Physics & Astronomy

Jeffrey Mativetsky	Wearable Artificial Intelligence-Enabled Respiratory Health Monitoring	National Science Foundation	50%	\$183,985	4/1/2021	3/31/2024
			Total # Credited	0.50		
			Total \$ Credited	\$183,985		

020 Political Science

Kanisha Bond	Advancing Research on Conflict: Pedagogical Tools and Community Accountability	Johns Hopkins University	100%	\$80,663	9/1/2021	8/31/2025
Olga Shvetsova	Living History of COVID-19: an enhanced global pandemic dashboard of public health, politics, economy, culture	American Council of Learned Societies	50%	\$75,000	7/1/2021	6/30/2022
			Total # Credited	1.50		
			Total \$ Credited	\$155,663		

020 Psychology

Anny Gano	COVID: Administrative Supplement for NIH Grant #P50AA017823: Developmental Exposure Alcohol Research Center	National Institute for Alcohol Abuse & Alcoholism	25%	\$39,250	6/1/2021	5/31/2022
Anushree Karkhanis	Intersecting genetic risk for extreme cocaine self-administration with dopamine neurotransmission	National Institute on Drug Abuse	30%	\$309,465	10/1/2021	9/30/2026

<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>
Anushree Karkhanis	Impact of Prenatal Methadone on BLA Dopamine Function and Synaptic Plasticity	National Institute on Drug Abuse	25%	\$107,368	7/1/2021	6/30/2023
Anushree Karkhanis	Center for Systems Neurogenetics of Addiction: Project 1: Impulsivity	Jackson Laboratory	25%	\$287,076	7/1/2021	6/30/2026
Anushree Karkhanis	Mechanisms of rostrocaudal differences in accumbal kappa opioid receptor effects on ethanol drinking	National Institute for Alcohol Abuse & Alcoholism	100%	\$2,943,354	4/1/2021	3/31/2026
Anushree Karkhanis	Unraveling Neurobiology of Stress Related Addiction	Peter F McManus Charitable Trust	100%	\$75,000	1/1/2021	12/31/2021
Brandon Gibb	Attentional Biases for Affective Cues as a Mechanism of Risk in Children of Depressed Mothers	Not Applicable	100%	\$3,637,636	4/1/2021	3/31/2026
Brandon Gibb	Development of Attentional Biases for Affective Cues in Infants of Depressed Mothers	National Institute of Mental Health	90%	\$2,969,212	9/1/2021	8/31/2026
Brandon Gibb	Attentional Biases for Affective Cues as a Mechanism of Risk in Children of Depressed Mothers	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	100%	\$3,644,567	9/1/2021	8/31/2026
Christopher Bishop	Defining the Neurobiological Mechanisms Underlying Benefits and Limitations of Exercise Impact in Parkinson's Disease Rodent Models for Optimal Translation	University of North Texas Health Science Center	100%	\$689,965	12/1/2021	11/30/2026
Christopher Bishop	Interrogating maladaptive serotonin raphe-striatal plasticity in L-DOPA-induced dyskinesia	National Inst of Neurological Disorders & Stroke	100%	\$3,857,515	12/1/2021	11/30/2026
Christopher Bishop	Defining the neuroanatomical, physiological, and molecular underpinnings of non-motor symptoms in PD	Dignity Health dba St. Joseph's Hospital	100%	\$894,493	10/1/2021	9/30/2024
Christopher Bishop	Assessment of the Disease Modifying Effects of Novel Multifunctional Drugs in a Rotenone Model of Parkinson's Disease	Wayne State University	100%	\$215,557	4/1/2022	3/31/2024
Christopher Bishop	Interrogating Maladaptive Serotonin Raphe-Striatal Plasticity in L-DOPA-Induced Dyskinesia	National Inst of Neurological Disorders & Stroke	100%	\$3,826,349	4/1/2021	3/31/2026

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Christopher Bishop	Maladaptive 5-HT Raphe-Corticolimbic Plasticity Underlying the Development of Non-Motor Behavioral Deficits in Parkinson's Disease	Department of Defense (CDMRP)	100%	\$844,837	4/1/2021	3/31/2025
David Werner	F31: Fellowship Support for Trevor Towner Role of neural activity and perineuronal nets in adolescent intermittent ethanol-induced social anxiety	National Institute for Alcohol Abuse & Alcoholism	100%	\$61,440	4/1/2021	3/31/2023
David Werner	F31: Fellowship Support for Trevor Towner: Role of Neural Activity and Perineuronal Nets in Adolescent Intermittent Ethanol-Induced Social Anxiety	National Institute for Alcohol Abuse & Alcoholism	100%	\$61,440	7/1/2021	6/30/2023
Elena Varlinskaia	COVID: Administrative Supplement for NIH Grant #P50AA017823: Developmental Exposure Alcohol Research Center	National Institute for Alcohol Abuse & Alcoholism	25%	\$39,250	6/1/2021	5/31/2022
Elena Varlinskaia	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	National Institute for Alcohol Abuse & Alcoholism	5%	\$96,415	4/1/2021	3/31/2026
Elena Varlinskaia	Prenatal Alcohol and Anxiety: An Ontogenetic Role for the central amygdala CRF1R system	National Institute for Alcohol Abuse & Alcoholism	5%	\$96,415	9/1/2021	8/31/2026
Erin Jant	Collaborative Research: Tracing the roots of gender gap in STEM	National Science Foundation	100%	\$290,453	9/1/2021	8/31/2024
Florence Varodayan	Dissecting the Neurobiological Signature of Binge Drinking in the Aged Cortex	Brain and Behavior Research Foundation	100%	\$70,000	1/15/2022	1/14/2024
Florence Varodayan	Neuroimmune Regulation of Cognitive Function Across Lifespan	Searle Scholars Program	100%	\$300,000	7/1/2021	6/30/2024
James Jentsch	Center for Systems Neurogenetics of Addiction: Project 1: Impulsivity	Jackson Laboratory	75%	\$861,229	7/1/2021	6/30/2026
James Jentsch	Intersecting genetic risk for extreme cocaine self-administration with dopamine neurotransmission	National Institute on Drug Abuse	70%	\$722,084	10/1/2021	9/30/2026

<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>
James Jentsch	Development and Neuroadaptations in Alcohol and Addictions (DNA2)	National Institute for Alcohol Abuse & Alcoholism	80%	\$1,525,348	6/1/2022	5/31/2027
Jennifer Gillis Mattson	SOW Expansion: UMass HYPE	University of Massachusetts	50%	\$18,617	10/1/2020	9/30/2021
Jennifer Gillis Mattson	COVID-19: Building Back Better: Identifying Sustainable Educational Practices Resulting in Positive Outcomes for Students with Disabilities during the COVID-19 Pandemic	Spencer Foundation	20%	\$9,744	9/1/2021	12/31/2022
Jennifer Gillis Mattson	Understanding and Predicting Students' Performance from School in ASD: A Data-Driven Approach	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	50%	\$71,660	9/1/2021	8/31/2023
Jennifer Gillis Mattson	BRCASD 2021-2022	University at Albany	100%	\$55,000	7/1/2021	6/30/2022
Kenneth Kurtz	New Frontiers in Understanding Human Category Learning	National Science Foundation	70%	\$128,567	8/1/2021	7/31/2022
Lisa Savage	F31: Fellowship Support for Brian Kipp: Protection of Cholinergic Function after Adolescent Ethanol Exposure	National Institute for Alcohol Abuse & Alcoholism	100%	\$62,472	9/1/2021	8/31/2023
Marvin Diaz	Prenatal Alcohol and Anxiety: An Ontogenetic Role for the central amygdala CRF1R system	National Institute for Alcohol Abuse & Alcoholism	95%	\$1,831,885	9/1/2021	8/31/2026
Marvin Diaz	F31: Fellowship Support for Meredith Gamble: Prenatal methadone effects on adult neurogenesis	National Institute on Drug Abuse	100%	\$62,472	9/1/2021	8/31/2023
Marvin Diaz	Impact of Prenatal Methadone on BLA Dopamine Function and Synaptic Plasticity	National Institute on Drug Abuse	70%	\$300,629	7/1/2021	6/30/2023
Marvin Diaz	F31: Fellowship Support for Kathryn Przybysz Prenatal Alcohol, Amaygdala-Cortical Dysfunction, and Social Impairment	National Institute for Alcohol Abuse & Alcoholism	100%	\$61,440	4/1/2021	3/31/2023
Marvin Diaz	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	National Institute for Alcohol Abuse & Alcoholism	95%	\$1,831,885	4/1/2021	3/31/2026

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
Marvin Diaz	Development and Neuroadaptations in Alcohol and Addictions (DNA2)	National Institute for Alcohol Abuse & Alcoholism	20%	\$381,337	6/1/2022	5/31/2027
Nicholas Gaspelin	CAREER: Understanding the Relationship of Covert and Overt Attention Using Concurrent EEG and Eye Tracking	National Science Foundation	100%	\$843,709	3/1/2021	2/28/2026
Patricia Di Lorenzo	Mechanisms of Neural Coding of Food in the Brainstem	National Inst on Deafness & Other Comm Disorders	100%	\$2,614,850	4/1/2021	3/31/2026
Patricia Di Lorenzo	Brainstem network coding of solid food	National Inst on Deafness & Other Comm Disorders	100%	\$1,300,749	4/1/2022	3/31/2025
Peter Gerhardstein	Development of Contour Detection in Children Exposed to Differing Levels of Digital Media	National Science Foundation	100%	\$543,344	1/1/2021	12/31/2023
Peter Gerhardstein	Development of Attentional Biases for Affective Cues in Infants of Depressed Mothers	National Institute of Mental Health	10%	\$329,912	9/1/2021	8/31/2026
Raymond Romanczyk	COVID: Hannah Morton: Bullying of Autistic Youth During the COVID-19 Pandemic	Autism Science Foundation	100%	\$2,991	1/15/2021	1/14/2022
Sung-Joo Lim	Neural Systems for Attentional Control in Speech Processing	American Speech Language Hearing Foundation	100%	\$24,999	12/1/2020	11/30/2021
Sung-Joo Lim	The Role of Talker Cues in Speech Processing in Normal and Impaired Hearing	Boston University	100%	\$124,759	12/1/2021	11/30/2026
Terrence Deak	Role of Microglial Fractalkine Signaling in Altered Dopaminergic Wiring in FASD	Ursinus College	100%	\$33,041	9/1/2021	8/31/2024
Terrence Deak	COVID: Administrative Supplement for NIH Grant #P50AA017823: Developmental Exposure Alcohol Research Center	National Institute for Alcohol Abuse & Alcoholism	50%	\$78,500	6/1/2021	5/31/2022
Terrence Deak	Impact of Prenatal Methadone on BLA Dopamine Function and Synaptic Plasticity	National Institute on Drug Abuse	5%	\$21,474	7/1/2021	6/30/2023
Thomas Harding	CLINICAL PLACEMENT AGREEMENT BETWEEN ARK PSYCHOLOGY, PLLC AND THE RESEARCH FOUNDATION FOR SUNY	ARK Psychology LLC	100%	\$20,998	6/1/2021	5/31/2022
				Total # Credited	37.90	
				Total \$ Credited	\$39,220,751	

<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 3 Data Recovery of Clusters A, B, D, and E of the Ayers 1 Site, Town of Nichols, Tioga County, New York	F.S. Lopke Contracting Incorporated	100%	\$51,716	2/10/2021	2/9/2022
Laurie Miroff	CNGC Line 15, Rathbone-Cameron Mills Gas Line Replacement Project, Phase I B Archaeological Survey, Town of Rathbone, Steuben County, New York	Fagan Engineers	100%	\$8,779	4/23/2021	4/22/2022
Laurie Miroff	CNGC Line 15, Rathbone-Cameron Mills Gas Line Replacement Project, Phase IA Archaeological Assessment, Town of Rathbone, Steuben County, New York	Fagan Engineers	100%	\$2,378	4/23/2021	4/22/2022
Laurie Miroff	Rutland Solar Project, Phase IA Archaeological Assessment (with a walkover), Jefferson County, NY	LaBella Associates	100%	\$3,067	4/21/2021	4/20/2022
Laurie Miroff	Rutland Solar Project, Phase I Initial Historic Resource Assessment, Jefferson County, NY	LaBella Associates	100%	\$2,683	4/21/2021	4/20/2022
Laurie Miroff	CR 35 over Trout Brook Project (21PR00296) Phase 1 Cultural Resource Survey, Town of Potsdam, St. Lawrence County, New York	Stantec Consulting Services Inc	100%	\$6,655	4/1/2021	3/31/2022
Laurie Miroff	NY State +/- 250 mile Utility Corridor, Article VII application	LaBella Associates	100%	\$12,818	3/17/2021	3/16/2022
Laurie Miroff	Gardiner Solar Project (20PR02830), Phase IA/LB Archaeological Survey Town of New Paltz, Ulster County, NY	C&S Companies	100%	\$4,875	3/1/2021	2/28/2022
Laurie Miroff	Phase IA Archaeological Assessment within the Towns of Busti and Kiantone, Chautauqua County, New York	LaBella Associates	100%	\$3,800	6/18/2021	6/17/2022
Laurie Miroff	Fort Bull Battlefield Preservation and Public Outreach Project - American Battlefield Preservation Program	National Park Service	100%	\$71,184	8/1/2021	7/31/2023
Laurie Miroff	Phase 1 Architecture Survey, Arkport Crossett Road Solar Project, Arkport, NY (21PR00527)	C&S Companies	100%	\$3,629	2/11/2021	2/10/2022

<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	Medina West Solar Project, Architectural Services, New York	C and S Engineering	100%	\$1,199	1/6/2021	1/5/2022
Laurie Miroff	Medina East Solar Project, Phase 1 Architectural Survey, Town of Ridgeway, New York	C and S Engineering	100%	\$4,825	1/6/2021	1/5/2022
Laurie Miroff	Phase 1, Architectural Survey, NY Munnsville West Road Solar Project, Town of Stockbridge, NY	C&S Companies	100%	\$3,735	3/3/2021	3/2/2022
Laurie Miroff	Mapping Proposal Woodstock Bindy Bazaar Project, Bethel, Sullivan County, NY	Bethel Woods Center for the Arts	100%	\$1,383	4/26/2021	4/25/2022
Laurie Miroff	Colonie Warehouse Facility Project, Phase 1A Cultural Resource Assessment, Town of Colonie, Albany County, NY - Project #2007130123- Site DBU9- Cohoes Located at 1 Mustang Drive, Cohoes, NY 12047	Stantec Architecture	100%	\$2,000	4/9/2021	4/8/2022
Laurie Miroff	Noble Street over West Brook Project (21PR01355), PIN 7753.77, Phase 1 Architectural Survey, Village of Evans Mills, Jefferson County, NY	Stantec Consulting Services Inc	100%	\$3,667	4/26/2021	4/25/2022
Laurie Miroff	KAPL-Niskayuna, Phase 1B Archaeological Survey for new Lower Level Hillside Road Project, TOA #420, Item 1.3	Sage Engineering Associates	100%	\$4,524	8/14/2020	8/13/2021
Laurie Miroff	Ithaca Farmer's Market Project, Phase 1A Archaeological Assessment and Phase 1B Archaeological Survey, City of Ithaca, Tompkins County, NY	Shumaker Consulting Engineering&Land Surveying PC	100%	\$8,052	4/26/2021	4/25/2022
Laurie Miroff	Alfred State College, Phase 1B Archeological Assessment	C&S Companies	100%	\$3,321	5/3/2021	5/2/2022
Laurie Miroff	Phase I B Survey Fieldwork (Week of June 7-11, 2021), South Ripley Solar Project, Chautauqua County, New York	Environmental Design & Research	100%	\$7,166	6/7/2021	6/6/2022
Laurie Miroff	Phase 1B Survey Fieldwork (Weeks of June 14-18 and June 21-25), South Ripley Solar Project, Chautauqua County, New York	Environmental Design & Research	100%	\$23,463	6/11/2021	6/10/2022

<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 1 Initial Historic Resource and Phase 1A Archaeological Assessments for the Moss Ridge and Chaumont Plan B Solar Projects within the Town of Dekalb, St. Lawrence County, New York and the Town of Lyme, Jefferson County, New York	LaBella Associates	100%	\$11,801	5/26/2021	5/25/2022
Laurie Miroff	Urban Archeology Corps	National Park Service	100%	\$59,837	9/1/2021	8/31/2022
Laurie Miroff	Phase 3 Data Recovery of Clusters 1-7 of the Ayers 2 Site, Town of Nichols, Tioga County, NY	F.S. Lopke Contracting Incorporated	100%	\$329,823	6/15/2021	6/14/2022
Laurie Miroff	Geophysical Survey of Wood Creek, Battle of Fort Bull (1756)	Register of Professional Archaeologists	100%	\$1,959	8/1/2021	7/31/2022
Laurie Miroff	Historic Resource Survey/Phase I Architectural Survey for the Enfield Solar Development within the Town of Enfield, Tompkins County, New York	LaBella Associates	100%	\$5,000	5/27/2021	5/26/2022
Laurie Miroff	Langdon Substation Contingency Parcel Project, Phase 2 Site Examination of Locus 5 of the Terrace Drive Site, Town of Conklin	LaBella Associates	100%	\$19,903	12/8/2020	12/7/2021
Laurie Miroff	7351 Cider Street Project, Town of Westmoreland, Oneida County, New York, Phase 1A Archaeological Assessment	Delta Engineers	100%	\$2,378	4/23/2021	4/22/2022
Laurie Miroff	Sidney Water System Improvement Project (PA-02-NY-1650-PW4842; 16PR03281), Phase 3 Data Recovery- Lords/Wells Site	Lamont Engineers	100%	\$100,581	9/14/2020	9/13/2021
Laurie Miroff	Marcellus Town Hall Project, Phase 1 Archaeological Survey, Town of Marcellus, Onondaga County, NY	Town of Marcellus	100%	\$3,534	7/8/2020	7/7/2021
Laurie Miroff	Troy Top Soil Halfmoon Mine Expansion Project, Phase 1A/1B Archaeological Survey Town of Halfmoon, Saratoga County, New York	Troy Top Soil Company	100%	\$15,558	7/24/2020	7/23/2021
Laurie Miroff	Artifact Mapping Proposal Woodstock Bindy Bazaar Project, Bethel, Sullivan County, NY	Bethel Woods Center for the Arts	100%	\$1,577	7/27/2020	7/26/2021

<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>
Laurie Miroff	Colliers Substation Expansion Project, Phase 1A/1B Archaeological Survey, Town of Milford, Otsego County, New York	LaBella Associates	100%	\$3,727	7/30/2020	7/29/2021
Laurie Miroff	Boland Riverside Sod Farm Project	Bolands Riverside Sod Farm	100%	\$29,593	8/3/2020	8/2/2021
Laurie Miroff	NGRID Union Falls Hydro Generation Station Project, Phase 1 Archaeological Survey	GZA GeoEnvironmental Incorporated	100%	\$4,500	8/20/2020	8/19/2021
Laurie Miroff	Stolle Road Substation Expansion Project, Phase 1A/1B Archaeological Survey, Town of Elma, Erie County, New York	LaBella Associates	100%	\$3,202	8/12/2020	8/11/2021
Laurie Miroff	Langdon Substation Contingency Parcel Project, Phase 1A Archaeological Assessment and Phase 1B Archaeological Survey, Town of Conklin, Broome County, New York	LaBella Associates	100%	\$23,133	5/20/2020	5/19/2021
Laurie Miroff	Beech Street Project, Phase 1 Archaeological Survey, Town of Union, Broome County, New York	Upstate Hi Tech Properties	100%	\$3,476	8/14/2020	8/13/2021
Laurie Miroff	Knolls East Gate Entrance (TOA 190, Item 5) Project, Phase 1B Archaeological Survey	Beardsley Design Associates	100%	\$5,847	8/26/2020	8/25/2021
Laurie Miroff	Arbutus Park Extension Project, Phase 1 Archaeological Survey, Town of Pompey, Onondaga County, New York	Calocerinos Engineering PLLC	100%	\$8,944	8/27/2020	8/26/2021
Laurie Miroff	Bridgewater Correctional Facility Project, Phase I Archaeological Survey	Environmental Design & Research	100%	\$9,942	9/17/2020	9/16/2021
Laurie Miroff	Langdon Substation Contingency Parcel Project, Phase 2 Site Examination of Locus 4 of the Terrace Drive Site, Town of Conklin	LaBella Associates	100%	\$10,887	12/8/2020	12/7/2021
Laurie Miroff	Phase 1 Architecture Survey, Otto Solar Project, Otto, NY	C&S Companies	100%	\$3,987	11/19/2020	11/18/2021
Laurie Miroff	Langdon Substation Contingency Parcel Project, Phase 2 Site Examination of Locus 3 of the Terrace Drive Site, Town of Conklin	LaBella Associates	100%	\$10,887	12/8/2020	12/7/2021

<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>
Laurie Miroff	Langdon Substation Contingency Parcel Project, Phase 2 Site Examination of Locus 2 of the Terrace Drive Site, Town of Conklin	LaBella Associates	100%	\$12,794	12/8/2020	12/7/2021
Laurie Miroff	Langdon Substation Contingency Parcel Project, Phase 2 Site Examination of Locus 1 of the Terrace Drive Site, Town of Conklin	LaBella Associates	100%	\$10,314	12/8/2020	12/7/2021
Laurie Miroff	Plains - PA Bureau of Abandoned Mine Reclamation Building Project, Phase 1 Archaeological Survey (STPs and GPR), Town of Plains, Luzerne County, PA	JCJ Holdings II	100%	\$6,663	8/12/2020	8/11/2021
Laurie Miroff	Schuyler Business Park Project (20PR03960), Phase 1A Cultural Resources Assessment	Herkimer County Industrial Development Agency	100%	\$2,280	11/16/2020	11/15/2021
Laurie Miroff	265 Industrial Park Drive Project Phase I Archaeological Survey	Delta Engineers	100%	\$13,189	9/28/2020	9/27/2021
Laurie Miroff	Cultural Resource Screening (FCC620), Deposit Tower Project, Town of Deposit, Broome County, NY	C&S Companies	100%	\$2,376	11/16/2020	11/15/2021
Laurie Miroff	Orange Solar Project, Architectural Services, Town of Orange, Schuyler County, NY	Entero Energy	100%	\$1,902	11/13/2020	11/12/2021
Laurie Miroff	Morris Substation Project, Phase IA Archaeological Assessment and Phase 1B Archaeological Survey	LaBella Associates	100%	\$15,911	10/20/2020	10/19/2021
Laurie Miroff	Switzkill Road Solar Project, Berne, NY	C&S Companies	100%	\$1,711	10/16/2020	10/15/2021
Laurie Miroff	Manino-1 Solar Project, Utica, NY	C&S Companies	100%	\$7,066	10/15/2020	10/14/2021
Laurie Miroff	Phase 1 Archaeological Survey, Peffer-Strong Spur 485 Project, Sullivan Township, Tioga County, PA	Hanover Engineering Associates	100%	\$2,477	9/21/2020	9/20/2021
Laurie Miroff	Arbutus Park Extension Project, Phase 2 Site Examination of the Arbutus Precontact Site, Town of Pompey, Onondaga County	Calocerinos Engineering PLLC	100%	\$6,669	11/20/2020	11/19/2021
Maria O'Donovan	Broome County Historic Places: A Digital Public Engagement Project	National Endowment for the Humanities	100%	\$92,409	3/1/2022	2/28/2023

<i>Proposal PI</i>	<i>Title</i>	<i>Sponsor Name</i>	<i>% Credited to PI</i>	<i>\$ Credited</i>	<i>Requested Start Date</i>	<i>Requested End Date</i>
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Total # Credited **58.00**
Total \$ Credited **\$1,080,756**

020 Research VP

Dae-Young Jung	USPAE - Cornerstone Lead-free Solder Proposal (Sub-in Purdue)	Purdue University	33%	\$721,462	9/1/2020	8/31/2025
James Turner	Autonomous Detector Modules for Custom Wearable Brain PET	Upstate Medical University Foundation	25%	\$112,620	7/1/2021	6/30/2024
James Turner	R01 Sub-in: Thin-slab detectors to revolutionize performance for next generation brain PET imaging	Cornell University	33%	\$82,101	4/1/2022	3/31/2025
Jennifer Amey	Characterization of the regulation and role of a GBS colonization factor	National Institute of Allergy & Infectious Disease	5%	\$93,576	9/1/2022	8/31/2027

Total # Credited **0.96**
Total \$ Credited **\$1,009,758**

020 School Of Management

Chou-Yu Tsai	Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	10%	\$94,826	7/1/2021	6/30/2024
Chou-Yu Tsai	Resubmission: Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	10%	\$110,588	4/1/2022	3/31/2025
Rory Eckardt	Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	10%	\$94,826	7/1/2021	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>
Rory Eckardt	Resubmission: Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	10%	\$110,588	4/1/2022	3/31/2025
Shelley Dionne	Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	10%	\$94,826	7/1/2021	6/30/2024
Shelley Dionne	Resubmission: Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	10%	\$110,588	4/1/2022	3/31/2025
				Total # Credited	0.60	
				Total \$ Credited	\$616,241	

020 School Of Management Acad

Chou-Yu Tsai	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education	Waseda University	50%	\$6,731	12/1/2020	2/28/2021
Chou-Yu Tsai	IGE: Enhancing Students' Deep Diversity of Knowledge and Skills via Exploration of the Orthogonal Subject-Skill Curricular Matrix	National Science Foundation	25%	\$125,000	4/1/2021	3/31/2024
				Total # Credited	0.75	
				Total \$ Credited	\$131,731	

020 School Of Management Admin

Shelley Dionne	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education	Waseda University	50%	\$6,731	12/1/2020	2/28/2021
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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	0.50		
			Total \$ Credited	\$6,731		
020 School of Nursing Academic						
Rodney Gabel	SLP Clinical Placement Agreement - Family Enrichment Network	Family Enrichment Network	100%	\$96,001	9/1/2021	8/31/2022
			Total # Credited	1.00		
			Total \$ Credited	\$96,001		
020 School of Nursing Deans Office						
Ann Fronczek	Southern Tier Telehealth Resource Center	Health Resources and Services Admin	100%	\$975,000	9/1/2021	8/31/2024
Melissa Sutherland	COVID-19: Building Back Better: Identifying Sustainable Educational Practices Resulting in Positive Outcomes for Students with Disabilities during the COVID-19 Pandemic	Spencer Foundation	20%	\$9,744	9/1/2021	12/31/2022
			Total # Credited	1.20		
			Total \$ Credited	\$984,744		
020 School of Pharmacy Dean						
Gail Rattinger	COVID-19: Building Back Better: Identifying Sustainable Educational Practices Resulting in Positive Outcomes for Students with Disabilities during the COVID-19 Pandemic	Spencer Foundation	20%	\$9,744	9/1/2021	12/31/2022
			Total # Credited	0.20		
			Total \$ Credited	\$9,744		
020 Systems Science and Indust Eng (SSIE)						
Bing Si	Towards Precise Phenotype Discovery of Obstructive Sleep Apnea with a Data-Inclusive Multi-Study Analysis Using the National Sleep Research Resource (NSRR)	National Heart Lung and Blood Institute	100%	\$237,280	9/1/2021	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>
Bing Si	Ray-Based Distributed Computing in Multi-Task Functional Data Analysis for Neuromorphic Computing and Other Applications	SUNY Central Administration	80%	\$80,000	6/1/2021	5/31/2022
Bing Si	Sleep and Cardiometabolic Health in United States Hispanic/Latino Late Adolescents/Young Adults	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	100%	\$165,418	4/1/2022	3/31/2024
Changqing Cheng	Remote Sensing and Machine Learning for Detection of Early-Stage Atrial Fibrillation	Dr. Scholl Foundation	100%	\$24,999	8/1/2021	7/31/2022
Changqing Cheng	Meta-cognition-driven Surrogate Model Generation and Composition for Microelectronic Systems	Defense Advanced Research Projects Agency (DARPA)	100%	\$400,000	1/6/2021	7/5/2022
Changqing Cheng	Multi-fidelity Simulation, Learning and Optimization towards Resilient and Sustainable Manufacturing Systems	Face Foundation: The Thomas Jefferson Fund	100%	\$10,000	8/1/2021	7/30/2023
Changqing Cheng	Nonlinear Dynamics and Machine Learning for Accurate Detection of Early-stage Atrial Fibrillation	Columbia University	100%	\$25,000	12/1/2020	5/31/2021
Changqing Cheng	CAREER: Physical-Statistical Modeling and Sensing in Optimal Design for Dynamical Complex Systems	National Science Foundation	100%	\$499,998	6/1/2021	5/31/2026
Changqing Cheng	EAGER International Type II: Sustainable International Collaboration in Spatiotemporal Modeling of Human Mobility and Contagion Dynamics for COVID-19	National Science Foundation	100%	\$300,000	8/1/2021	7/31/2023
Christopher Greene	Quality and Reliability Process Analyses for Complex Electronics Assembly	Smart Modular Technologies Inc	50%	\$34,125	8/16/2021	8/15/2022
Christopher Greene	Continual Process Improvement for Complex Surface Mount Device Assemblies Utilizing Advanced Process Research	Smart Modular Technologies Inc	50%	\$37,381	5/17/2021	5/16/2022
Christopher Greene	Continual Process Improvement for the Assembly of Advanced Complex Surface Mount Devices	Smart Modular Technologies Inc	50%	\$37,381	5/17/2021	5/16/2022

<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 Greene	Advancement in the Assembly Process of Complex Surface Mount Devices	Smart Modular Technologies Inc	50%	\$37,381	6/28/2021	6/27/2022
Daehan Won	SONY: Advancing Pathological Intelligence using 3D Optical Coherence Tomography Images: Adversarial Learning in Tissue Segmentation	Sony Corporation	50%	\$75,000	1/4/2021	1/3/2022
Daehan Won	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains	TBD	33%	\$43,063	5/31/2021	5/30/2022
Daehan Won	Development of Closed-Loop Control and Optimization Modules	Koh Young Technology Incorporated	33%	\$49,500	1/4/2021	1/3/2022
Daehan Won	Understanding and Predicting Students' Performance from School in ASD: A Data-Driven Approach	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	50%	\$71,660	9/1/2021	8/31/2023
Daehan Won	Performance Improvement of Clinical Practices and Operations Research 2020-2021	LiveOnNY	25%	\$28,129	8/17/2020	8/16/2021
Daehan Won	CAREER: Data-driven Approaches for Understanding and Predicting School Performances in Autism Spectrum Disorder	National Science Foundation	100%	\$500,001	1/1/2021	12/31/2025
Daehan Won	Performance Improvement of Clinical Practices and Operations Research 2021-2022	LiveOnNY	25%	\$15,638	5/17/2021	5/16/2022
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%	\$99,524	7/1/2021	6/30/2024
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	9/1/2021	8/31/2024
Fuda Ning	High-temperature Mechanical Tester for Additively Manufactured Carbon Fiber Reinforced Plastic/Titanium Stack Composites	US Air Force Office of Scientific Research	50%	\$89,614	2/1/2022	1/31/2023

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Fuda Ning	Understanding Interface Formation and Bonding Mechanisms in Carbon Fiber Reinforced Plastic/Titanium Stacks Manufactured via Directed Energy Deposition	National Science Foundation	50%	\$259,897	1/1/2022	12/31/2024
Hiroki Sayama	Collaborative Research: GCR: Building a convergent model for bridges between online to offline coordination, collaboration, and cooperation of sustainable local communities	National Science Foundation	17%	\$296,562	9/1/2021	8/31/2026
Hiroki Sayama	Collaborative Research: Deriving Dynamical Model Equations from Temporal Network Data Using a Graph Rewriting Framework	National Science Foundation	100%	\$250,000	6/1/2021	5/31/2024
Hiroki Sayama	Resubmission: Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	10%	\$110,588	4/1/2022	3/31/2025
Hiroki Sayama	IGE: Enhancing Students' Deep Diversity of Knowledge and Skills via Exploration of the Orthogonal Subject-Skill Curricular Matrix	National Science Foundation	25%	\$125,000	4/1/2021	3/31/2024
Hiroki Sayama	Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	10%	\$94,826	7/1/2021	6/30/2024
Hiroki Sayama	COVID: A Scalable Community-Level Agent-Based Simulation Model for COVID-19 Policy Decision Making That Integrates Both Behavioral and Epidemic Dynamics	Cisco Systems Incorporated	100%	\$49,998	9/1/2020	8/31/2021
Krishnaswami Srihari	Research in Materials, Assembly, and Automation in Printed Circuit Board Assembly	Sanmina Corporation	50%	\$33,597	6/14/2021	6/13/2022
Krishnaswami Srihari	Research in Discrete Manufacturing and Automation at a Surface Mount Technology Company	Sanmina Corporation	50%	\$33,597	6/7/2021	6/6/2022
Krishnaswami Srihari	Total Cost of Ownership (TCO) Estimation and Reduction for Raymond Customers	Raymond Corporation	34%	\$20,312	7/1/2021	6/30/2022

<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	Mail-Order Pharmacy Analysis and Design: Simulation, Quotation Process, and Industry 4.0 Implementations	Innovation Associates	25%	\$99,846	5/17/2021	5/16/2022
Krishnaswami Srihari	Advancement in the Assembly Process of Complex Surface Mount Devices	Smart Modular Technologies Inc	50%	\$37,381	6/28/2021	6/27/2022
Krishnaswami Srihari	Application Engineering Support for Technical Solutions in Battery Energy Storage Systems	EOS Energy Enterprises	34%	\$22,216	2/1/2021	1/31/2022
Krishnaswami Srihari	Continual Process Improvement for the Assembly of Advanced Complex Surface Mount Devices	Smart Modular Technologies Inc	50%	\$37,381	5/17/2021	5/16/2022
Krishnaswami Srihari	Continual Process Improvement for Complex Surface Mount Device Assemblies Utilizing Advanced Process Research	Smart Modular Technologies Inc	50%	\$37,381	5/17/2021	5/16/2022
Krishnaswami Srihari	Performance Improvement of Clinical Practices and Operations Research 2021-2022	LiveOnNY	25%	\$15,638	5/17/2021	5/16/2022
Krishnaswami Srihari	Quality and Reliability Process Analyses for Complex Electronics Assembly	Smart Modular Technologies Inc	50%	\$34,125	8/16/2021	8/15/2022
Krishnaswami Srihari	Battery Performance Degradation Prediction and Market Bidding Optimization Using Artificial Intelligence, Machine Learning, and Stochastic Optimization	General Electric Company	34%	\$21,970	2/1/2021	1/31/2022
Krishnaswami Srihari	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains	TBD	34%	\$44,368	5/31/2021	5/30/2022
Krishnaswami Srihari	Research in Quality Engineering in Electronics Packaging and Manufacturing	Sanmina Corporation	50%	\$33,714	8/10/2020	8/9/2021
Krishnaswami Srihari	Organizational Excellence Support at Christiana Care Health (2021-2022)	Christiana Care Health Services Incorporated	33%	\$20,567	5/17/2021	5/16/2022
Krishnaswami Srihari	Healthcare Analytics and Solutions R&D at Navicent Health - AMD 1	Navicent Health	33%	\$59,152	1/1/2021	12/31/2021
Krishnaswami Srihari	Business Intelligence and Performance Improvement R&D	United Health Services Hospitals Incorporated	50%	\$102,099	8/24/2020	8/23/2021

<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>
Krishnaswami Srihari	Research in Assembly and Automation in a Surface Mount Technology Company	Sanmina Corporation	50%	\$33,714	8/10/2020	8/9/2021
Krishnaswami Srihari	Business Process Engineering Support for Network Management Systems CMO (AMD 22)	Montefiore Hospital and Medical Center	34%	\$22,347	8/24/2020	8/23/2021
Krishnaswami Srihari	Improving Quality, Safety, and Patient Flow and Outpatient Medication Management	Memorial Sloan Kettering Cancer Center	50%	\$67,951	8/24/2020	8/23/2021
Krishnaswami Srihari	Performance Improvement of Clinical Practices and Operations Research 2020-2021	LiveOnNY	25%	\$28,129	8/17/2020	8/16/2021
Krishnaswami Srihari	Continuous Performance Improvement and System Modeling Support for TidalHealth	TidalHealth	50%	\$34,392	11/1/2020	10/31/2021
Krishnaswami Srihari	Research in Assembly and Automation in a Surface Mount Technology Company	Sanmina Corporation	50%	\$33,714	11/30/2020	11/29/2021
Krishnaswami Srihari	Development of a Cloud-Based Business Intelligence for High Volume Pharmacy Automation Solutions	Innovation Associates	34%	\$67,608	1/18/2021	1/17/2022
Krishnaswami Srihari	Redesign of Care Processes and Workflows to Facilitate the Implementation of a Customer Relationship Management System (2021)	Cooper University Health Care	33%	\$21,369	1/2/2021	1/1/2022
Krishnaswami Srihari	Healthcare Practice Research and Development through Operational Planning and Simulation Modeling	EwingCole	50%	\$35,075	2/1/2021	1/31/2022
Luis Rocha	Transfer of R01LM012832: myAURA: Personalized Web Service for Epilepsy Management	National Library of Medicine	100%	\$349,876	6/1/2021	5/31/2022
Mark Poliks	STTR Phase One Advanced Fetal Monitoring (Sub-in)	Advanced Fetal Monitor, LLC	100%	\$153,600	9/1/2021	8/31/2022
Mark Poliks	PC6.8 High Temperature Conformal Hybrid Electronics on Flexible Ceramics	University at Buffalo	100%	\$0	9/1/2021	2/28/2023
Mark Poliks	PC6.3 Wearable EEG Devices for Stress, Attention and Sleep Monitoring	NextFlex	100%	\$750,001	9/1/2021	2/28/2023
Mark Poliks	PC6.3 FHE Sensing Sheet for Infrastructure Health Monitoring	Iowa State University	100%	\$170,000	9/1/2021	2/28/2023

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Mark Poliks	PC6.4 Study of Materials and Methods for Direct Write EMI Mitigation of Power Modules	NextFlex	100%	\$400,000	9/1/2021	2/28/2023
Mark Poliks	PC6.6 Models and Tools to Predict Reliability and Life of FHE Components and Systems	Georgia Institute of Technology	100%	\$100,002	1/1/2022	6/30/2023
Mark Poliks	STTR Phase One Sunray Scientific	SunRay Scientific LLC	100%	\$15,001	9/1/2021	11/30/2021
Mark Poliks	PC6.3 Flexible Hybrid Optoelectronic Nodes for Distributed Sensing at the Interface between Humans and Soft Actuators	NextFlex	100%	\$749,999	9/1/2021	2/28/2023
Mark Poliks	PC6.7 Mid-Band Phased Array Demonstrator Using Printed and Flexible Hybrid Electronics	NextFlex	100%	\$575,001	9/1/2021	2/28/2023
Mark Poliks	PC6.8 Wearable, Low-Cost Health Status Monitor	NextFlex	100%	\$240,000	9/1/2021	8/31/2022
Mark Poliks	PC6.10 Small-Scale mm-Wave SATCOM System & 5G Systems for UAS Attributable Platform	NextFlex	100%	\$850,002	9/1/2021	8/31/2022
Mark Poliks	Sunray Scientific Air Force SBIR TACFI Program	SunRay Scientific LLC	100%	\$109,999	10/1/2021	9/30/2023
Mark Poliks	FMRG:Eco: Digital Cellulose Manufacturing Technologies from Diverse Biomass Feedstocks	Stony Brook University	34%	\$425,000	12/1/2021	11/30/2025
Mark Poliks	High-temperature Mechanical Tester for Additively Manufactured Carbon Fiber Reinforced Plastic/Titanium Stack Composites	US Air Force Office of Scientific Research	50%	\$89,614	2/1/2022	1/31/2023
Mark Poliks	PC6.2 Reliability Validation and Sustainment of Direct-Write Printed RF Devices	NextFlex	100%	\$400,000	9/1/2021	8/31/2022
Mark Poliks	Direct-Write Volume Protection Sensor for SoC-BGA Component on Board	Lockheed Martin	100%	\$40,000	6/1/2021	12/31/2021
Mark Poliks	Wireless Interstitial Fluid Monitoring Devices	General Electric Global Research	100%	\$1,690,000	4/1/2021	9/30/2022
Mark Poliks	PC6.1 Evaluating System-on-foil (TM) Interposer for High-Performance FHE	Lux Semiconductors Incorporated	100%	\$100,001	10/1/2021	9/30/2022
Mark Poliks	PC6.8 Integration for Optimized Electrodes	Liquid Wire	100%	\$120,001	9/1/2021	8/31/2022
Mark Poliks	FlexMed: 2M Technology LLC Testing Agreement	2M Technology Limited Liability Company	100%	\$20,000	7/1/2020	6/30/2021

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Mark Poliks	COVID: NextFlex Project 3.7 AMD BU-GE	NextFlex	100%	\$135,001	8/1/2020	11/30/2020
Mark Poliks	FlexTech-Advanced Power Device Integration Using Direct Write Technology	Flex Tech Alliance	100%	\$609,999	1/1/2021	6/30/2022
Mark Poliks	Soft, ElectroNc Skin-Innervated Robotic Worm for Rapid Maintenance of Strategic Assets (Sensiworm)	Flex Tech Alliance	50%	\$450,000	1/1/2021	6/30/2022
Mark Poliks	Flexible Multi-Channel Heterogeneous Integrated Low Form Factor Wireless Multi-Channel Surface Electromyography (sEMG) Device	University of California at Los Angeles	100%	\$100,001	4/1/2021	9/30/2022
Mark Poliks	MOD 1: Corning Master AMD 1: Metallization and R2R Processing of Thin Flexible Inorganic Substrates	Corning Incorporated	100%	\$9,999	9/1/2020	8/31/2021
Mark Poliks	Development of a Reusable, Self-enabled Smart Catheter (Sub-in CathBuddy)	CathBuddy	50%	\$175,000	7/1/2021	6/30/2023
Mark Poliks	MOD 2: Corning Master AMD 1: Metallization and R2R Processing of Thin Flexible Inorganic Substrates	Corning Incorporated	100%	\$70,000	12/31/2020	12/30/2021
Mark Poliks	FlexMed: Evaluation of flip-chip methods suitable for low-cost, limited-temperature flexible substrate materials 2021	Universal Instruments Corporation	100%	\$45,000	3/1/2021	2/28/2022
Mark Poliks	Prediction of Infectious Disease Evolution in Ambulatory Patients Through Continuous Health Assessment	NextFlex	100%	\$135,001	12/1/2020	3/31/2021
Mark Poliks	FuzeHub: WeeBot Beta Prototype Development	FuzeHub	33%	\$16,500	7/1/2021	6/30/2022
Mark Poliks	Scalable Production of Microelectronic Biosensors Using Conductive Inks	FuzeHub	100%	\$50,000	7/1/2021	6/30/2022
Mark Poliks	PC6.1 AM High Temperature RF Components for Hypersonics	NextFlex	100%	\$300,001	9/1/2021	8/31/2022
Mark Poliks	3D Printed Electronics with Multi Jet Fusion for Flexible Hybrid Electronics	Flex Tech Alliance	100%	\$1,016,000	1/1/2021	3/31/2022

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Mohammad Khasawneh	Healthcare Practice Research and Development through Operational Planning and Simulation Modeling	EwingCole	50%	\$35,075	2/1/2021	1/31/2022
Mohammad Khasawneh	Healthcare Analytics and Solutions R&D at Navicent Health - AMD 1	Navicent Health	34%	\$60,945	1/1/2021	12/31/2021
Mohammad Khasawneh	Resubmission: Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	10%	\$110,588	4/1/2022	3/31/2025
Mohammad Khasawneh	Modeling and Analysis for "How Does Diversity of Individuals Affect the Structure of Society?: A Constructive Approach Using Adaptive Networks" Part II: Behavioral Parameter Estimation and Large-Scale Simulations	Waseda University	100%	\$15,300	11/1/2021	1/31/2022
Mohammad Khasawneh	Modeling and Analysis for "How Does Diversity of Individuals Affect the Structure of Society?: A Constructive Approach Using Adaptive Networks" Part I: Mathematical Analysis of Social Network Models	Waseda University	100%	\$15,300	8/1/2021	10/31/2021
Mohammad Khasawneh	Organizational Excellence Support at Christiana Care Health (2021-2022)	Christiana Care Health Services Incorporated	34%	\$21,190	5/17/2021	5/16/2022
Mohammad Khasawneh	Performance Improvement of Clinical Practices and Operations Research 2021-2022	LiveOnNY	25%	\$15,638	5/17/2021	5/16/2022
Mohammad Khasawneh	Examining Psychologically Safe Cancer Care Systems to Improve Quality and Safety of Cancer Care for Rural and Low-Income Populations: A Longitudinal Mixed-Methods Approach	Agency for Healthcare Research and Quality	10%	\$94,826	7/1/2021	6/30/2024
Mohammad Khasawneh	Continuous Performance Improvement and System Modeling Support for TidalHealth	TidalHealth	50%	\$34,392	11/1/2020	10/31/2021
Mohammad Khasawneh	Performance Improvement of Clinical Practices and Operations Research 2020-2021	LiveOnNY	25%	\$28,129	8/17/2020	8/16/2021
Mohammad Khasawneh	Improving Quality, Safety, and Patient Flow and Outpatient Medication Management	Memorial Sloan Kettering Cancer Center	50%	\$67,951	8/24/2020	8/23/2021

<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>
Mohammad Khasawneh	Business Process Engineering Support for Network Management Systems CMO (AMD 22)	Montefiore Hospital and Medical Center	33%	\$21,690	8/24/2020	8/23/2021
Mohammad Khasawneh	Business Intelligence and Performance Improvement R&D	United Health Services Hospitals Incorporated	50%	\$102,099	8/24/2020	8/23/2021
Mohammad Khasawneh	Redesign of Care Processes and Workflows to Facilitate the Implementation of a Customer Relationship Management System (2021)	Cooper University Health Care	34%	\$22,017	1/2/2021	1/1/2022
Nagendra Nagarur	Research in Quality Engineering in Electronics Packaging and Manufacturing	Sanmina Corporation	50%	\$33,714	8/10/2020	8/9/2021
Nagendra Nagarur	Research in Materials, Assembly, and Automation in Printed Circuit Board Assembly	Sanmina Corporation	50%	\$33,597	6/14/2021	6/13/2022
Nagendra Nagarur	Research in Discrete Manufacturing and Automation at a Surface Mount Technology Company	Sanmina Corporation	50%	\$33,597	6/7/2021	6/6/2022
Nagendra Nagarur	Research in Assembly and Automation in a Surface Mount Technology Company	Sanmina Corporation	50%	\$33,714	8/10/2020	8/9/2021
Nagendra Nagarur	Research in Assembly and Automation in a Surface Mount Technology Company	Sanmina Corporation	50%	\$33,714	11/30/2020	11/29/2021
Sangwon Yoon	Development of Closed-Loop Control and Optimization Modules	Koh Young Technology Incorporated	33%	\$49,500	1/4/2021	1/3/2022
Sangwon Yoon	Performance Improvement of Clinical Practices and Operations Research 2020-2021	LiveOnNY	25%	\$28,129	8/17/2020	8/16/2021
Sangwon Yoon	Mail-Order Pharmacy Analysis and Design: Simulation, Quotation Process, and Industry 4.0 Implementations	Innovation Associates	25%	\$99,846	5/17/2021	5/16/2022
Sangwon Yoon	Total Cost of Ownership (TCO) Estimation and Reduction for Raymond Customers	Raymond Corporation	33%	\$19,715	7/1/2021	6/30/2022
Sangwon Yoon	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains	TBD	33%	\$43,063	5/31/2021	5/30/2022
Sangwon Yoon	FuzeHub: WeeBot Beta Prototype Development	FuzeHub	33%	\$16,500	7/1/2021	6/30/2022

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Sangwon Yoon	Performance Improvement of Clinical Practices and Operations Research 2021-2022	LiveOnNY	25%	\$15,638	5/17/2021	5/16/2022
Sangwon Yoon	Development of a Cloud-Based Business Intelligence for High Volume Pharmacy Automation Solutions	Innovation Associates	33%	\$65,620	1/18/2021	1/17/2022
Sangwon Yoon	SONY: Advancing Pathological Intelligence using 3D Optical Coherence TomographyImages: Adversarial Learning in Tissue Segmentation	Sony Corporation	50%	\$75,000	1/4/2021	1/3/2022
Sangwon Yoon	In-Time Safety Assurance Systems in Advanced Air Mobility Using Fast Data-Driven Models and Feedback Control Architecture	NASA Headquarters	50%	\$375,000	11/1/2020	10/31/2023
Sarah Lam	Redesign of Care Processes and Workflows to Facilitate the Implementation of a Customer Relationship Management System (2021)	Cooper University Health Care	33%	\$21,369	1/2/2021	1/1/2022
Sarah Lam	Healthcare Analytics and Solutions R&D at Navicent Health - AMD 1	Navicent Health	33%	\$59,152	1/1/2021	12/31/2021
Sarah Lam	Organizational Excellence Support at Christiana Care Health (2021-2022)	Christiana Care Health Services Incorporated	33%	\$20,567	5/17/2021	5/16/2022
Soongeol Kwon	Development of a Cloud-Based Business Intelligence for High Volume Pharmacy Automation Solutions	Innovation Associates	33%	\$65,620	1/18/2021	1/17/2022
Soongeol Kwon	Mail-Order Pharmacy Analysis and Design: Simulation, Quotation Process, and Industry 4.0 Implementations	Innovation Associates	25%	\$99,846	5/17/2021	5/16/2022
Soongeol Kwon	In-Time Safety Assurance Systems in Advanced Air Mobility Using Fast Data-Driven Models and Feedback Control Architecture	NASA Headquarters	50%	\$375,000	11/1/2020	10/31/2023
Soongeol Kwon	Battery Performance Degradation Prediction and Market Bidding Optimization Using Artificial Intelligence, Machine Learning, and Stochastic Optimization	General Electric Company	33%	\$21,324	2/1/2021	1/31/2022
Soongeol Kwon	Application Engineering Support for Technical Solutions in Battery Energy Storage Systems	EOS Energy Enterprises	33%	\$21,563	2/1/2021	1/31/2022

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Sunghoon Chung	CAREER: Advancing general routing for drone-truck combined operations	National Science Foundation	100%	\$500,001	3/1/2021	2/28/2026
Susan Shuxia Lu	NSF CBET: Design of Nanocomposite-Structured Sensor Arrays for Breath Detection of Lung Cancer	National Science Foundation	40%	\$220,751	3/1/2021	2/29/2024
Susan Shuxia Lu	Stabilizing Hybrid Organic-Inorganic Perovskite Solar Cells via Diffusion Barriers and ALD Coated Thin Film Encapsulants	US Department of Energy	15%	\$131,821	6/1/2021	5/31/2024
Susan Shuxia Lu	Concept Award Proposal: Fabricating Non-invasive, Stable, and Reproducible Breath Sensors for Screening and Early Detection of Lung Cancer	Department of Defense (CDMRP)	40%	\$62,344	9/1/2021	8/31/2022
Susan Shuxia Lu	2D Diffusion Barriers to Mitigate Ion Migration in Hybrid Organic-Inorganic Perovskite Solar Cells	US Department of Energy	30%	\$90,000	1/1/2022	12/31/2022
Yingge Zhou	MRI: Acquisition of an Advanced Rheometer	National Science Foundation	25%	\$38,448	8/1/2021	7/31/2022
Yingge Zhou	R01:3D Bioprinting of Vascularized Tissues Using Composite Bioinks	National Inst of Arthritis Musculoskeletal & Skin	100%	\$676,700	12/1/2021	11/30/2026
Yong Wang	Battery Performance Degradation Prediction and Market Bidding Optimization Using Artificial Intelligence, Machine Learning, and Stochastic Optimization	General Electric Company	33%	\$21,324	2/1/2021	1/31/2022
Yong Wang	Total Cost of Ownership (TCO) Estimation and Reduction for Raymond Customers	Raymond Corporation	33%	\$19,715	7/1/2021	6/30/2022
Yong Wang	FuzeHub: WeeBot Beta Prototype Development	FuzeHub	34%	\$17,000	7/1/2021	6/30/2022
Yong Wang	Application Engineering Support for Technical Solutions in Battery Energy Storage Systems	EOS Energy Enterprises	33%	\$21,563	2/1/2021	1/31/2022
Yong Wang	CAREER: Transforming Manufacturing Systems into Power Grid Resources Through Demand Response	National Science Foundation	100%	\$499,999	1/1/2021	12/31/2025
Yong Wang	Business Process Engineering Support for Network Management Systems CMO (AMD 22)	Montefiore Hospital and Medical Center	33%	\$21,690	8/24/2020	8/23/2021

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Yong Wang	Mail-Order Pharmacy Analysis and Design: Simulation, Quotation Process, and Industry 4.0 Implementations	Innovation Associates	25%	\$99,846	5/17/2021	5/16/2022
			Total # Credited	82.12		
			Total \$ Credited	\$20,312,816		

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Bahgat Sammakia	Future Facilities 2020-2021 ES2 I/UCRC Membership	Future Facilities Incorporated	50%	\$37,500	8/1/2020	7/31/2021
Bahgat Sammakia	Vertiv 2020-2021 ES2 Membership	Vertiv	50%	\$4,167	12/1/2020	11/30/2021
Bahgat Sammakia	NVIDIA Corporation 2021 I/UCRC (ES2) Membership Agreement	NVIDIA Corporation	50%	\$4,500	1/1/2021	12/31/2021
Bahgat Sammakia	BAE 2021 ES2 I/UCRC Membership	BAE Systems Controls Incorporated	50%	\$30,000	3/1/2021	2/28/2022
Bahgat Sammakia	International Supplement to ES2 NSF I/UCRC	National Science Foundation	50%	\$12,168	5/1/2021	4/30/2022
Bahgat Sammakia	Corning ES2/IUCRC Membership 2021-2022	Corning Incorporated	50%	\$25,000	3/1/2021	2/28/2022
Bahgat Sammakia	CoolIT 2021-2022 ES2/IUCRC Membership Agreement	CoolIT Systems	50%	\$12,500	5/1/2021	4/30/2022
Kanad Ghose	Future Facilities 2020-2021 ES2 I/UCRC Membership	Future Facilities Incorporated	50%	\$37,500	8/1/2020	7/31/2021
Kanad Ghose	International Supplement to ES2 NSF I/UCRC	National Science Foundation	50%	\$12,168	5/1/2021	4/30/2022
Kanad Ghose	Corning ES2/IUCRC Membership 2021-2022	Corning Incorporated	50%	\$25,000	3/1/2021	2/28/2022
Kanad Ghose	CoolIT 2021-2022 ES2/IUCRC Membership Agreement	CoolIT Systems	50%	\$12,500	5/1/2021	4/30/2022
Kanad Ghose	Vertiv 2020-2021 ES2 Membership	Vertiv	50%	\$4,167	12/1/2020	11/30/2021
Kanad Ghose	BAE 2021 ES2 I/UCRC Membership	BAE Systems Controls Incorporated	50%	\$30,000	3/1/2021	2/28/2022

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Kanad Ghose	NVIDIA Corporation 2021 I/UCRC (ES2) Membership Agreement	NVIDIA Corporation	50%	\$4,500	1/1/2021	12/31/2021
Michael Testani	Advancing Industry 4.0 in the Southern Tier of New York	Association of Public & Land grant Universities	33%	\$29,700	7/1/2021	12/31/2022
Seungbae Park	Menlo Microsystem's Participating membership in the IEEC 2020-21	Menlo Microsystems Incorporated	100%	\$5,000	11/15/2020	11/14/2021
Seungbae Park	R&D Altanova's Participating membership in the IEEC 2021-22	R&D Altanova	100%	\$5,000	5/28/2021	5/27/2022
Seungbae Park	Unison's Participating Membership in the IEEC, 2021-22	Unison Industries LLC	100%	\$5,000	4/1/2021	3/31/2022
Seungbae Park	Snake Creek Laser's Participating Membership in the IEEC, 2021-22	Snake Creek Lasers LLC	100%	\$5,000	5/1/2021	4/30/2022
Seungbae Park	Raymond Corporation's Participating Membership in the IEEC 2021-22	Raymond Corporation	100%	\$5,000	5/24/2021	5/23/2022
Seungbae Park	Excelitas Technologies Participating Membership in the IEEC 2021-22	Excelitas Technologies	100%	\$5,000	4/1/2021	3/31/2022
Seungbae Park	Analog Devices Full Membership in the IEEC, 2021-22	Analog Devices, Incorporated	100%	\$72,000	2/8/2021	2/7/2022
Seungbae Park	Sanmina's Participating membership in the IEEC, 2021-22	Sanmina Corporation	100%	\$5,000	2/15/2021	2/14/2022
Seungbae Park	AVO Photonics Inc.Participating Membership in the IEEC 2020-21	AVO Photonics	100%	\$5,000	8/18/2020	8/17/2021
Seungbae Park	Koh Young's Full Membership in the IEEC	Koh Young Technology Incorporated	100%	\$180,000	2/1/2021	1/31/2024
Seungbae Park	Lockheed Martin Full Membership in the IEEC 2021	Lockheed Martin	100%	\$60,000	1/1/2021	12/31/2021
Seungbae Park	Universal Instrument's Participating Membership in the IEEC 2021	Universal Instruments Corporation	100%	\$5,000	1/1/2021	12/31/2021
Seungbae Park	Anaren's Participating Membership in the IEEC 2020-21	Anaren Incorporated	100%	\$5,000	7/2/2020	7/1/2021
Seungbae Park	Dupont's Participating Membership in the IEEC 2020-21	Dupont Speciality Products USA LLC	100%	\$5,000	10/1/2020	9/30/2021

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Seungbae Park	Prismark's Membership in the IEEC 2020-21	Prismark Partners LLC	100%	\$25,000	9/1/2020	8/31/2021
Seungbae Park	ASE's Membership in the IEEC, 2020-21	Advanced Semiconductor Engineering Incorporated	100%	\$60,000	9/1/2020	8/31/2021
Seungbae Park	Corning Inc.'s Membership in the IEEC, 2020-21	Corning Incorporated	100%	\$60,000	10/1/2020	9/30/2021
Seungbae Park	Juniper Networks Participating Membership in the IEEC, 2021-22	Juniper Networks Incorporated	100%	\$5,000	8/1/2021	7/31/2022
Seungbae Park	BAE's Full Membership in the IEEC, 2021	BAE Systems Controls Incorporated	100%	\$60,000	1/1/2021	12/31/2021
				Total # Credited	26.33	
				Total \$ Credited	\$858,367	

Total Proposals Submitted:	537.00
Total Amount Requested:	\$243,875,356