

**Cornell University, Office of Sponsored Programs  
Awards Received in December 2023**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Project Title</b>	<b>OSP#</b>	<b>Amount</b>
Bhattacharjee, Tapomayukh	Computer Science	NSF -> NSF Directorate for Computer and Information Science and Engineering	COLLABORATIVE RESEARCH: NRI: ROBOT-ASSISTED FEEDING: TOWARDS EFFICIENT, SAFE, AND PERSONALIZED CAREGIVING ROBOTS	139937	\$16,000
Bunting-Howarth, Katherine	CALS Sea Grant	US DOC -> National Oceanic and Atmospheric Administration (Through: SUNY -> SUNYRF -> The Research Foundation for the State University of New York Stony Brook)	AQUATIC MICROPLASTIC FILTRATION DEVICE RESEARCH AND PILOT DEPLOYMENT	146485	\$251,647
Buono, Jared	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	POMOLOGY RESEARCH IN THE HUDSON VALLEY	154133	\$22,066
Calixto, Alejandro	CALS NYS Integrated Pest Management	NYS -> New York State Department of Environmental Conservation	2023-2024 PESTICIDE MANAGEMENT & EDUCATION PROGRAM	160951	\$1,250,000
Cheng, Lailiang	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	FURTHER DEVELOPMENT OF PEEL SAP ANALYSIS FOR MANAGING BITTER PIT RISK IN HONEYCRISP	148169	\$29,679
Cohen, Itai	Lab. of Atomic & Solid State Physics	NSF -> NSF Directorate for Mathematical and Physical Sciences	EMERGENT BEHAVIORS OF DENSE ACTIVE SUSPENSIONS UNDER SHEAR	158001	\$709,054
Cox, Kerik	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	IMPROVING THE IMPLEMENTATION OF DISEASE FORECASTING SYSTEMS AND IMPROVING THE FEASIBILITY OF USING INTEGRATING BIOPESTICIDES TO MITIGATE REGULATORY CONCERNS WITH MULTI-SITE FUNGICIDES	148158	\$39,826
Cox, Kerik	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	IMPLEMENTATION OF SUPPLEMENTAL UV LIGHT TO SUPPRESS APPLE SCAB AND POWDERY MILDEW.	148160	\$39,826
Dando, Robin	CALS Food Science	Diageo Plc	COMMERCIAL TEQUILA DESCRIPTIVE ANALYSIS.	169308	\$43,000
Dando, Robin	CALS Food Science	Diageo Plc	DA MAINTENANCE 2024 - DIAGEO TESTING	170110	\$15,000
Daniel, Susan	Chemical & Biomolecular Engineering	Howard Hughes Medical Institute	ON-CHIP PRODUCTION OF GANGLIOSIDE GM1 FOR THE TREATMENT OF HUNTINGTON'S DISEASE	89088	\$3,000
DiTommaso, Antonio	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	23-24 AGRIVOLTAICS PROJECT	164079	\$1,000,000
Dickin, Kate	Master of Public Health Program (MPH)	United States Agency for International Development (Through: JSI Research & Training Institute Inc)	USAID ADVANCING NUTRITION	83467	\$27,001
Donnelly, Eve	Materials Science Engineering	HHS -> PHS -> NIH -> NIH National Institute on Aging (Through: UCAL -> The Regents of the University of California on behalf of its San Francisco Campus)	THE MICROBIOME AND BONE STRENGTH	166849	\$62,889

Fahey, Timothy	CALS Natural Resources	NSF -> NSF Directorate for Biological Sciences (Through: Cary Institute of Ecosystem Studies Inc)	LONG-TERM ECOLOGICAL RESEARCH AT THE HUBBARD BROOK EXPERIMENTAL FOREST	79352	\$20,000
Fallon, Kathleen	CALS Sea Grant	NYS -> New York State Department of Environmental Conservation	DEVELOPMENT AND IMPLEMENTATION OF A PECONIC-SPECIFIC OUTREACH PROGRAM FOCUSED ON DECISION MAKING ENTITIES AND MUNICIPALITIES IN THE PECONIC WATERSHED: CLIMATE ADAPTATION ADVISORY COMMITTEE.	157990	\$46,741
Figuroa Bautista, Roger	Nutritional Sciences	USDA -> USDA Agricultural Marketing Service (Through: NYS -> New York State Department of Agriculture and Markets)	DINNERS IN NY: DEVELOPING INTEGRATED NETWORKS FOR A NUTRITIOUS, EQUITABLE, RESILIENT FOOD SYSTEM IN NEW YORK	147816	\$1,647,262
Gilbert, Martin	Population Medicine & Diagnostic Science	Wild Sheep Foundation	ADVANCING DIAGNOSTICS FOR HUNTER-BASED SURVEILLANCE OF WILD UNGULATES IN KYRGYZSTAN	165604	\$30,000
Gu, April	Civil & Environmental Engineering	Water Research Foundation Inc. (Through: Carollo Engineers Inc)	IMPACT OF PRE-CHLORINATION AND GAC TREATMENT ON DBP FORMATION AND OVERALL TOXICITY IN DRINKING WATER	140997	\$8,000
Hanrath, Tobias	Chemical & Biomolecular Engineering	Breakthrough Energy	PULSE-16: PULSED ELECTROCHEMICAL ELECTROLYSIS OF METHANE	166336	\$225,000
Hay, Frank	CALS School of Integrative Plant Science	USDA -> USDA Agricultural Marketing Service (Through: New York Farm Viability Institute Inc)	SMITE THE BLIGHT: DEVELOPING A MANAGEMENT STRATEGY FOR HALO BLIGHT OF HOP IN NEW YORK	143702	\$99,344
Helbling, Damian	Civil & Environmental Engineering	Semiconductor Research Corporation	EXPERIMENTAL EVALUATION OF DEGRADATION RATES AND TRANSFORMATION PRODUCTS OF FLUOROPOLYMERS USED DURING SEMICONDUCTOR MANUFACTURING	164615	\$315,000
Herrero Acosta, Mario	CALS Global Development	Consultative Group on International Agricultural Research (Through: Bioversity International)	IMPACT ECONOMIC MODELING AND EAT-LANCET 2.0	168104	\$80,000
Higgins, Elizabeth	CALS Cornell Cooperative Extension	USDA -> USDA National Institute of Food and Agriculture (Through: Virginia Polytechnic Institute and State University)	AN ALL-STAGE FIRE BLIGHT CONTROL: REMOTE SENSING, DNA, ENZYME, AND PLANT ACTIVATOR TECHNOLOGIES FOR CANKERS, BLOSSOM BLIGHT AND SHOOT BLIGHT	160585	\$475,477
Hon, Stephanie	Clinical Sciences	American Association For Laboratory Animal Science	MORPHINE PHARMACOKINETICS AND PHARMACODYNAMICS IN PIGS	152616	\$46,961
Jiang, Shaoyi	Biomedical Engineering	HHS -> PHS -> National Institutes of Health	SYSTEMIC AND TARGETED DELIVERY FOR GENE EDITING IN THE CENTRAL NERVOUS SYSTEM USING ENGINEERED ENDOGENOUS VIRUS-LIKE VESICLES	167586	\$75,000
Jiang, Yu	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	EVALUATING DIGITAL AGRICULTURE TOOLS FOR QUANTIFICATION OF APPLE CROP LOAD FROM DORMANCY TO PRE-HARVEST	148428	\$19,824
Kellogg, Elizabeth	Molecular Biology and Genetics	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	STRUCTURAL AND EVOLUTIONARY BASIS FOR INSERTION UNIDIRECTIONALITY IN RNA-GUIDED DNA TRANSPOSITION SYSTEMS	147355	\$143,082
Khan, Awais	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	IDENTIFYING NEW SOURCES OF RESISTANCE TO APPLE SCAB: A PROMISING PATH TO INCREASING ORCHARD PROFITABILITY	148017	\$54,656

Khan, Awais	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	IDENTIFICATION OF GENETIC TARGETS OF FIRE BLIGHT RESISTANCE AND SUSCEPTIBILITY FOR GENOME-EDITING AND APPLE BREEDING	148054	\$46,316
Klinck, Holger	CALS Lab of O - K. Lisa Yang Center	EXCELERATE -> Northeast Gateway Energy Bridge, LLC	NORTHEAST GATEWAY DEEPWATER PORT NORTHERN RIGHT WHALE MONITORING AND MITIGATION PLANNING	52965	\$817,207
Kriner, Douglas	Government	Charles Koch Foundation	RACE, PUBLIC OPINION, AND THE POLITICAL COSTS OF MILITARY ADVENTURISM	169318	\$16,000
Kusse, Bruce	Lab of Plasma Studies	United States Department of Energy (Through: University of Michigan)	THE CENTER FOR MAGNETIC ACCELERATION, COMPRESSION, AND HEATING (MACH)	146197	\$6,100,002
Kwan, Alex	Biomedical Engineering	Beckley Foundation	PSYCHEDELIC ACTIONS ON CEREBRAL BLOOD FLOW AND NEUROVASCULAR COUPLING	147292	\$347,203
Lal, Amit	Electrical & Computer Engineering	DOD -> DOD Defense Advanced Research Project Agency	FENMAC ANALYTICAL ENGINE: HIGH ACCURACY NANO MECHANICAL IN MEMORY SCIENTIFIC COMPUTATION	157260	\$4,582,339
Lee, Esak	Biomedical Engineering	International Foundation for Ethical Research Inc	FELLOWSHIP: YANSONG PENG	147708	\$2,500
Londo, Jason	CALS School of Integrative Plant Science	NSF -> NSF Directorate for Biological Sciences (Through: Saint Louis University)	ADAPTING PERENNIAL CROPS FOR CLIMATE CHANGE: GRAFT TRANSMISSIBLE EFFECTS OF ROOTSTOCKS ON GRAPEVINE SHOOTS	143125	\$22,983
Londo, Jason	CALS School of Integrative Plant Science	USDA -> USDA Agricultural Marketing Service (Through: New York Farm Viability Institute Inc)	ENHANCING MIDWINTER COLD HARDINESS AND FROST RESISTANCE IN GRAPEVINES WITH FOLIAR CALCIUM	143543	\$94,109
Mattson, Neil	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: UCAL -> The Regents of the University of California on behalf of its Davis Campus)	INTEGRATION OF FRONTIER TECHNOLOGIES TO PROMOTE ADOPTION OF ORGANIC TOMATO PRODUCTION	160191	\$200,000
McFadden, Joseph	CALS Animal Science	Gerstner Family Foundation	ENTERIC METHANE MITIGATION: ADVANCING SEAWEED AND BROMOFORM FEEDING FROM NOVELTY TO PRACTICE	166450	\$993,613
Mehta, Karan	Electrical & Computer Engineering	NSF -> NSF Directorate for Engineering	CAREER: FAST COHERENT AND INCOHERENT CONTROL OF ATOMIC IONS IN SCALABLE PLATFORMS	162983	\$549,997
Meredith, Gen	Master of Public Health Program (MPH)	Corporation For National & Community Service (Through: NYS -> New York State Office of Children and Family Services)	NYS OCFs + PUBLIC HEALTH AMERICORPS	152229	\$94,000
Michener, Jamila	Public Policy - Academic	HHS -> PHS -> NIH -> NIH National Institute on Minority Health and Health Disparities	RACIAL AND ETHNIC DISPARITIES IN ACCESS TO THE MEDICAID TRANSPORTATION BENEFIT AND IMPLICATIONS FOR PATIENT OUTCOMES	147288	\$73,083
Michener, Jamila	Public Policy - Academic	HHS -> PHS -> NIH -> NIH National Institute on Minority Health and Health Disparities	RACIAL AND ETHNIC DISPARITIES IN ACCESS TO THE MEDICAID TRANSPORTATION BENEFIT AND IMPLICATIONS FOR PATIENT OUTCOMES	147288	\$2,136,191
Nair, Sriramya	Civil & Environmental Engineering	United States Department of Energy (Through: Brookhaven National Laboratory)	CENTER FOR COUPLED CHEMO-MECHANICS OF CEMENTATIONS COMPOSITES FOR EGS	160318	\$760,000
Nault, Brian	CALS Entomology	USDA -> USDA National Institute of Food and Agriculture (Through: Michigan State University)	ENHANCING INTEGRATED INSECT PEST MANAGEMENT STRATEGIES FOR U.S. POTATO PRODUCTION SYSTEMS	158660	\$645,084

Niemack, Michael	Cornell Lab Accelerator Sciences & Ed	National Science Foundation (Through: Princeton University)	ADVANCED ACTPOL	72964	\$21,131
Niemack, Michael	Cornell Lab Accelerator Sciences & Ed	National Science Foundation (Through: University of Pennsylvania)	MID-SCALE RI-2: ADVANCED MILLIMETER SURVEY INSTRUMENTATION IN CHILE	141371	\$960,211
Niemack, Michael	Cornell Lab Accelerator Sciences & Ed	National Science Foundation (Through: University of Chicago)	CONSORTIUM PROPOSAL FOR CMB-S4 CONTINUING DESIGN	144708	\$379,282
Peck, Gregory	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	USER-FRIENDLY POLLEN TUBE GROWTH MODELS FOR COMMERCIALY IMPORTANT CULTIVARS IN NEW YORK	148807	\$49,051
Pennycook, Gordon	Psychology	DOD -> DOD US NAVY -> Office of Naval Research (Through: Carnegie Mellon University)	MULTI-LEVELS MODELS OF COVERT ONLINE INFORMATION CAMPAIGNS	166903	\$90,940
Rahm, Brian	CALS Biological & Environmental Engr	United States Environmental Protection Agency (Through: Syracuse University)	DELIVERING EFFECTIVE EQUITABLE AND RESILIENT INFRASTRUCTURE IN EPA REGION 2	145352	\$922,785
Robinson, Terence	CALS School of Integrative Plant Science	USDA -> USDA Agricultural Marketing Service (Through: New York Farm Viability Institute Inc)	AUTOMATED IRRIGATION MANAGEMENT OF APPLES TO MAXIMIZE FRUIT SIZE AND CROP VALUE	143285	\$96,903
Robinson, Terence	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	PRECISION ORCHARD MANAGEMENT	148835	\$100,766
Rudik, Ivan	Dyson - Sponsored Activity	US DOC -> National Oceanic and Atmospheric Administration (Through: University of Miami)	QUANTIFYING THE SOCIO-ECONOMICS BENEFITS OF AUGMENTED HURRICANE OBSERVATIONS	147556	\$100,175
Ryan, Molly	Performing and Media Arts	NYS -> New York State Council on the Arts	NYSCA SUPPORT FOR ORGANIZATIONS: CORNELL CINEMA (2024)	163577	\$25,000
Savransky, Dmitry	Mechanical & Aerospace Engineering	National Aeronautics and Space Administration	TARGET SELECTION AND OBSERVATION MODELING TOOLS FOR THE ROMAN CORONAGRAPH TECHNOLOGY DEMONSTRATION AND BEYOND	155613	\$599,804
Schryver, Tom	Center for Regional Economic Advancement	NYS -> Empire State Development	NYS DAIRY PROMOTION ORDER: NY DAIRY RUNWAY PROGRAM - RENEWAL	164692	\$225,000
Scott, Rob	Cornell Prison Education Program	The Andrew W Mellon Foundation (Through: UCAL -> The Regents of the University of California on behalf of its Los Angeles Campus)	CORNELL PRISON EDUCATION PROGRAM WRITERS WORKSHOP BOOK	160088	\$10,000
Seo, Jae-sun	Tech Research	NSF -> NSF Directorate for Computer and Information Science and Engineering	COLLABORATIVE RESEARCH: SHF: MEDIUM: MEMORY-EFFICIENT ALGORITHM AND HARDWARE CO-DESIGN FOR SPIKE-BASED EDGE COMPUTING	168028	\$500,000
Shepherd, Larissa	Human Centered Design	Cotton Incorporated	FSAD 3000 COTTON PRODUCTION EXPERIENCE	163076	\$23,470
Shuler, Michael	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Cancer Institute (Through: UTS -> The University of Texas Southwestern Medical Center)	AN ORGANOTYPIC MODEL RECAPITULATING COLON CANCER MICROENVIRONMENT AND METASTASIS	139661	\$1,000
Skinner, Lara	Climate Jobs Institute	Climate Jobs National Resource Center	CLIMATE JOBS PROGRAM FOR CA, CO, PA, MD, AND MI	167748	\$750,000

Snover-Clift, Karen	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: University of Maine)	NATIONAL PLANT DIAGNOSTIC NETWORK FOR THE FOOD AND AGRICULTURE DEFENSE INITIATIVE-NEW YORK	145039	\$13,000
Srikrishnan, Vivek	CALS Biological & Environmental Engr	United States Department of Energy (Through: Pacific Northwest National Laboratory)	AGENT-BASED MODELING FOR THE INTEGRATED COASTAL MODELING PROJECT	166674	\$344,107
Symes, Laurel	CALS Lab of O - K. Lisa Yang Center	DOI -> National Park Service (Through: Trustees of Dartmouth College)	INTEGRATING ACOUSTIC RECORDERS TO IMPROVE WILDLIFE AND FOREST CONDITION ASSESSMENTS IN EASTERN NPS PARKS	163066	\$80,000
Taylor, Alan	CALS School of Integrative Plant Science	Kannar Earth Science Ltd	MSZP SEED TECHNOLOGY TO INCREASE BIODIVERSITY IN AGRICULTURE	165997	\$49,996
Therkildsen, Nina	CALS Natural Resources	NORWAY -> The Research Council of Norway (Through: Orivo AS)	ARTSKVANTIFISERING I FORINGREDIENSER [ENGLISH TRANSLATION: SPECIES QUANTIFICATION IN FEED INGREDIENTS	139680	\$40,745
Tiffany, Jennifer	Bronfenbrenner Ctr forTranslational Rsch	USDA -> USDA Food and Nutrition Service (Through: NYS -> New York State Department of Agriculture and Markets)	23-24 NUTRITION ED. & OUTREACH - CORNELL NYC	162248	\$75,000
Van de Walle, Gerlinde	Baker Institute	HHS -> PHS -> NIH -> NIH National Cancer Institute	THE MAMMARY CELL SECRETOME AS A NOVEL BIOLOGIC FOR TRIPLE-NEGATIVE BREAST CANCER	152471	\$403,687
Washam, Peter	Center Astrophysics-Planetary Science	Heising-Simons Foundation	EXPOSING WINTERTIME ICE-OCEAN-ATMOSPHERE INTERACTIONS IN GREENLAND WITH IN-SITU OBSERVATIONS.	166982	\$499,587
Watkins, Christopher	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	STORAGE OF NEW AND TRADITIONAL APPLE VARIETIES	147993	\$58,150
Whittaker, Gary	Microbiology and Immunology	EveryCat Health Foundation	IMPROVING ANTEMORTEM DIAGNOSIS OF FIP THROUGH MOLECULAR ANALYSES OF FINE NEEDLE ASPIRATES (FNAS)	166100	\$50,000
Wilde, Mark	Electrical & Computer Engineering	NSF -> NSF Directorate for Computer and Information Science and Engineering	FET: SMALL: FRONTIERS OF QUANTUM SHANNON THEORY	158207	\$599,338
Wood, Christopher	CALS Lab of O - Ctr Avian Studies	Pennsylvania Game Commission	PENNSYLVANIA BREEDING BIRD ATLAS	158435	\$99,000
Xing, H. Grace	Electrical & Computer Engineering	DOD -> DOD ARMY -> US ARL -> US Army Research Office	ALD/ALE/LEI SYSTEM FOR ADVANCED ELECTRONIC MATERIALS AND DEVICES	161307	\$1,858,509
Xu, Kenong	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	DEVELOPING A DNA-FREE GENE EDITING SYSTEM IN APPLE	148968	\$44,840
Yang, Yunan	Mathematics	DOD -> DOD US NAVY -> Office of Naval Research	OPTIMAL TRANSPORT BASED STRATEGIES IN WAVES AND DYNAMICS	165605	\$1,306,632