

**Cornell University, Office of Sponsored Programs
Awards Received in November 2024**

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Apsel, Alyssa	Electrical & Computer Engineering	National Science Foundation (Through: EchoICs Inc)	TUNABLE TRANSCEIVERS FOR MULTI-STANDARD WIRELESS	171965	\$82,500
Archer, Lynden	Chemical & Biomolecular Engineering	DOD -> DOD United States Air Force (Through: Cerebral Energy LLC)	F2-18061: ALUMINUM-GRAPHENE BATTERIES FOR DEFENSE APPLICATIONS	175124	\$463,590
Bean, Rachel	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: CALTECH -> Jet Propulsion Laboratory)	CONSTRAINING DARK ENERGY AND MODIFIED GRAVITY WITH EUCLID	180682	\$74,130
Bihn, Elizabeth	CALS Food Science	HHS -> PHS -> US Food and Drug Administration	CONTINUATION OF THE PRODUCE SAFETY ALLIANCE TO ENHANCE UNDERSTANDING AND COMPLIANCE WITH THE FSMA PRODUCE SAFETY RULE	171084	\$7,113,510
Bornt, Charles	CALS Cornell Cooperative Extension	USDA -> USDA Agricultural Marketing Service (Through: Icahn School Of Medicine at Mount Sinai)	EDUCATING NEW YORK PRODUCERS TO USE UV LIGHT TO IMPROVE SPECIALTY CROP HEALTH AND PROFITABILITY	143617	\$15,219
Cha, Judy	NanoScale Science & Technology Facility	National Science Foundation (Through: FuzeHub Inc)	TYPE 1 NSF REGIONAL INNOVATION ENGINE ROADMAPPING	179558	\$36,500
Cheyre Forestier, Cristobal	Information Science	Ewing Marion Kauffman Foundation (Through: New York University)	WORKSHOP FOR THE ADVANCEMENT OF RESEARCH ON RACIAL EQUITY IN TECHNOLOGY FOCUSED ENTREPRENEURSHIP	181158	\$10,000
Cohen, Paula	Biomedical Sciences	Bill and Melinda Gates Foundation	IDENTIFICATION OF NOVEL CONTRACEPTIVE TARGETS IN THE HUMAN OVARY	176394	\$1,504,400
Creighton, Cathy	ILR Buffalo Co-Lab	NYS -> New York State Office of Children and Family Services	FY25 ILR BUFFALO CO-LAB FOR HIGH ROAD ECONOMIC DEVELOPMENT	174961	\$150,000
Danforth, Bryan	CALS Entomology	Keurig Dr Pepper Inc	ADVISORY SERVICES FOR KDP/MOTTS NY POLLINATOR PROGRAM	145905	\$44,999
Daughterity, Erin	Center Animal Resources & Education	Akston Biosciences Corporation	AKSTON BIOSCIENCES FELINE BIOLOGIC STUDY WITH CARE PRECLINICAL CORE	175449	\$5,545
De Jong, Walter	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2023-2024 POTATO VARIETY IDENTIFICATION	167181	\$8,500
De Jong, Walter	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2024-2025 GOLDEN NEMATODE	173841	\$63,000
Diel, Diego	Population Medicine & Diagnostic Science	Utah State University	SURVEILLANCE TESTING FOR SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS IN WHITE TAILED DEER	169832	\$67,130
Earls, Christopher	Civil & Environmental Engineering	United States Department of Energy (Through: HONEYWELL -> NTESS -> Sandia National Laboratories)	QUANTIFICATION OF CRACK STRESS INTENSITY FACTORS	141457	\$80,000
Evans, Jacquelyn	Baker Institute	Foundation for Veterinary Dentistry	SINGLE-CELL TRANSCRIPTOMIC PROFILING OF ORAL MUCOSA IN CATS WITH FELINE CHRONIC GINGIVOSTOMATITIS	175813	\$10,000
Field, Martha	Nutritional Sciences	Bill and Melinda Gates Foundation (Through: TAMU -> Texas A&M AgriLife Research)	SYSTEMS APPROACHES TO IMPROVE MATERNAL AND CHILD HEALTH OUTCOMES THROUGH NUTRITION	145479	\$1,727

Frank, Margaret	CALS School of Integrative Plant Science	NSF -> NSF Directorate for Biological Sciences	CAREER: HARNESSING THE PLANT MOBILEOME TO PREDICT, DESIGN, AND DELIVER LONG-DISTANCE RNAS IN PLANTS	90688	\$30,000
Fuchs, Gregory	Applied & Engineering Physics	United States Department of Energy (Through: Northwestern University)	CENTER FOR MOLECULAR QUANTUM TRANSDUCTION (CMQT)	92803	\$755,000
Fuchs, Marc	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2023-2024 PLANT CERTIFICATION PROGRAM	160952	\$120,000
Fuchs, Marc	CALS School of Integrative Plant Science	USDA -> USDA Animal and Plant Health Inspection Service (Through: NYS -> New York State Department of Agriculture and Markets)	2024-2025 PLANT CERTIFICATION	176775	\$120,000
Fuchs, Marc	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2024-2025 VIRUS CERTIFICATION	179171	\$78,000
Fuchs, Marc	CALS School of Integrative Plant Science	USDA -> USDA Animal and Plant Health Inspection Service (Through: NYS -> New York State Department of Agriculture and Markets)	2024-2025 STONE FRUIT COMMODITY SURVEY	176755	\$158,400
Gadikota, Greeshma	Civil & Environmental Engineering	DOE -> DOE Office of Energy Efficiency and Renewable Energy (Through: ALLIANCE -> National Renewable Energy Laboratory)	VALIDATION AND BEST PRACTICES FOR CO2 REMOVAL AND SEQUESTRATION IN CEMENT AND CONCRETE	156438	\$610,000
Goldfarb, Jillian	Chemical & Biomolecular Engineering	BRAZIL -> Petroleo Brasileiro SA	STUDY OF BIO-OIL PRODUCTION THROUGH HYDROTHERMAL LIQUEFACTION (HTL) PROCESS AND ITS APPLICATION IN FCC UNITS	180059	\$102,499
Gu, April	Civil & Environmental Engineering	District of Columbia Water and Sewer Authority	ISOLIDS: DEVELOPMENT OF MULTI-MATRIX TOOLS FOR ANAEROBIC DIGESTION PERFORMANCE AND SOLIDS QUALITY PREDICTION AT WASTEWATER TREATMENT PLANT	171850	\$286,000
Hanrath, Tobias	Chemical & Biomolecular Engineering	NYS -> New York State Energy Research and Development Authority (Through: The Trustees of Columbia University in the City of New York)	CARBONTECH DEVELOPMENT INITIATIVE	167818	\$344,877
Hare, Matthew	CALS Natural Resources	Atlantic States Marine Fish Commission (Through: Rutgers The State University of New Jersey)	FROM SEQUENCE TO CONSEQUENCE: GENOMIC SELECTION TO EXPAND AND IMPROVE SELECTIVE BREEDING FOR THE EASTERN OYSTER	179461	\$1,150
Harrington, Laura	CALS Entomology	EUROPA -> European Commission (Through: University of London -> University College London)	OCT-OVA: FINDING THE MECHANISM OF OCT2-DEPENDENT MOSQUITO INFERTILITY	179424	\$40,084
Hedwig, Daniela	CALS Lab of O - K. Lisa Yang Center	Mohamed bin Zayed Species Conservation Fund	SUPPORTING CONSERVATION EFFORTS FOR FOREST ELEPHANTS AND ENDANGERED WILDLIFE THROUGH ACOUSTIC MONITORING OF ELEPHANT ACTIVITY AND ILLEGAL GUN-HUNTING	176235	\$12,000

Ho, Anna	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: Association of Universities for Research in Astronomy)	HST SPECTROSCOPY OF A FAST-RISING LUMINOUS ULTRAVIOLET TRANSIENT	167683	\$37,593
Holgerson, Meredith	CALS Ecology & Evolutionary Biology	NYS -> New York State Department of Environmental Conservation	QUANTIFYING CARBON FLUXES IN NEW YORK STATE WETLANDS AND WATERBODIES: MAPPING PONDS, WETLANDS, AND UPSCALING FIELD FLUX ESTIMATES	177761	\$584,865
Huson, Heather	CALS Animal Science	Marshall Farms Group Ltd	GENETIC REVIEW OF MARSHALL BIORESOURCES BEAGLE COLONIES	179670	\$185,662
Ivanek Miojevic, Renata	Population Medicine & Diagnostic Science	HHS -> PHS -> US Food and Drug Administration	A SYSTEM APPROACH TO ANIMAL-LEVEL ANTIMICROBIAL USE MONITORING IN DAIRY CATTLE	174389	\$999,535
Jena, Debdeep	Electrical & Computer Engineering	NSF -> NSF Directorate for Technology, Innovation and Partnerships	COMMERCIALIZATION OF GALLIUM OXIDE DIODES AND TRANSISTORS	171150	\$50,000
Kahlke, Craig	CALS Cornell Cooperative Extension	USDA -> USDA National Institute of Food and Agriculture (Through: University of Vermont)	ACIDITY OF HONEYCRISP - KEY TO EATING QUALITY AND COMPETITIVENESS OF NORTHEASTERN APPLE GROWERS	173806	\$29,851
Kizilcec, Rene	Information Science	Bill and Melinda Gates Foundation	THE MILLION TUTORING MOVES OBSERVATORY PROJECT	176830	\$3,921,021
Klinck, Holger	CALS Lab of O - K. Lisa Yang Center	Alaska (Through: North Slope Borough)	2025 POINT BARROW BOWHEAD WHALE CENSUS	172172	\$116,130
Kreps, Sarah	Centers & Institutes	DOD -> DOD Washington Headquarters Services	SEMICONDUCTOR SUPPLY CHAIN AND CYBERSECURITY ASSESSMENT	175611	\$3,000,000
Lee, Esak	Biomedical Engineering	International Foundation for Ethical Research Inc	FELLOWSHIP: YANSONG PENG	147708	\$2,500
Lei, Xingen	CALS Animal Science	USDA -> USDA National Institute of Food and Agriculture (Through: University of Vermont)	POTENTIAL OF FEEDING LAYING HENS WITH COMBINED HEMPSEED MEAL AND MICROALGAE AS A SUSTAINABLE REGIME TO PRODUCE HEALTH-PROMOTING AND LOW-CARBON EGGS	173764	\$14,980
Lewis, Neil	CALS Communication	Robert Wood Johnson Foundation	STUDYING HOW COMMUNITIES NAME THEMSELVES AND COMMUNICATE WITHIN AND ABOUT VARIOUS SOCIAL GROUPS TO INFORM MESSAGING ON HEALTH EQUITY AND SOCIAL POLICY	178497	\$153,113
Lighthall, Shari	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2024-2025 FUTURE FARMERS OF AMERICA	173839	\$1,250,000
Lin, Song	Chemistry and Chemical Biology	Roche -> Genentech Inc	CORNELL UNIVERSITY AND GENENTECH COLLABORATION: NEW STRATEGIES FOR LATE-STAGE FUNCTIONALIZATION: ELECTROCHEMISTRY AND FRUSTRATED RADICAL PAIRS	147078	\$120,000
Matteson, David	Department of Statistics & Data Science	HHS -> PHS -> National Institutes of Health (Through: Applied Biophysics, Inc.)	IMPEDANCE-BASED CELL ASSURANCE MONITOR	165815	\$601,200
Mattson, Neil	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	EMPOWERING GREENHOUSE RESILIENCY WITH AN OPTIMIZED WORKFORCE (E-GROW)	169242	\$750,000
Mays, Jacob	Civil & Environmental Engineering	DOE -> DOE EERE -> Golden Field Office	IMPROVING MARKET PRICES AND ADEQUACY IN THE CLEAN TRANSITION (IMPACT)	169258	\$1,100,000
McArt, Scott	CALS Entomology	NYS -> New York State Department of Agriculture and Markets	2024-2025 POLLINATOR PROTECTION PLAN	174229	\$300,000

McFadden, Joseph	CALS Animal Science	CALIFORNIA -> State of California Department of Food and Agriculture	INTERACTIONS BETWEEN DIETARY FATTY ACIDS, ASPARAGOPSIS TAXIFORMIS, AND BROMOFORM ON ENTERIC AND MANURE METHANE EMISSIONS AND ENERGETIC CONVERSION IN LACTATING DAIRY COWS	167983	\$1,500,000
Messer, Philipp	CALS Computational Biology	HHS -> PHS -> NIH -> NIH National Institute on Aging (Through: Weill Cornell Medicine)	DEVELOPING SUICIDE RISK ALGORITHMS FOR DIVERSE CLINICAL SETTINGS USING DATA FUSION	145480	\$17,578
Moore, Virginia	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: University of Vermont)	BREEDING WINTER HARDY ANNUAL COVER CROPS: CEREAL RYE AND WINTER PEAS	173704	\$14,967
Nault, Brian	CALS Entomology	USDA -> USDA National Institute of Food and Agriculture (Through: University of Vermont)	ADVANCING MAGGOT CONTROL IN ONION AND CABBAGE WITH REDUCED-RISK INSECTICIDES	173793	\$15,000
Nissenbaum, Helen	Tech Research	National Science Foundation (Through: Rutgers The State University of New Jersey)	MCA: TRANSPARENT AND ACCOUNTABLE DECISION SYSTEMS	142985	\$1
Nowack, Katja	Lab. of Atomic & Solid State Physics	DOD -> DOD ARMY -> DOD DEVCOM -> US ARL -> US Army Research Office (Through: Interuniversitair Micro-Electronica Centrum)	FLUX FAILURE MODES CHARACTERIZATION AND MITIGATIONS IN HIGH DENSITY SUPERCONDUCTOR CIRCUITS	165224	\$836,530
Pashow, Lindsey	CALS Cornell Cooperative Extension	USDA -> USDA National Institute of Food and Agriculture (Through: DEL CTY -> Cornell Cooperative Extension Delaware County)	MITIGATING RISK IN CUT FLOWER PRODUCTION	147650	\$6,000
Pethybridge, Sarah	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: University of Vermont)	DETERMINING THE RELATIVE IMPORTANCE OF PRIMARY INOCULUM SOURCES FOR STEMPHYLIUM LEAF BLIGHT OF ONION IN NEW YORK	173808	\$13,351
Purington Drake, Amanda	Bronfenbrenner Ctr for Translational Rsch	US Department of Health and Human Services (Through: NYS -> New York State Department of Health)	CYSHCN ACT FOR YOUTH PROPOSAL	169162	\$5,000,000
Reed, Patrick	Civil & Environmental Engineering	Tampa Bay Water (Through: UNC -> University of North Carolina at Chapel Hill)	INTEGRATING FINANCIAL RISK AND SUPPLY RELIABILITY IN LEVEL-OF-SERVICE FOR INVESTMENT PLANNING	174962	\$49,500
Rose, Jocelyn	CALS School of Integrative Plant Science	USDA -> USDA ARS -> USDA Agricultural Research Service Northeast Area	ACQUISITION OF GOODS AND SERVICES (58-8062-5-043)	181283	\$50,000
Russell-Anelli, Jonathan	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	24-25 MASTER LIST OF SOILS	173594	\$6,100
Schnabel, Landon	Sociology	Public Religion Research Institute	PUBLIC RELIGION RESEARCH INSTITUTE (PRRI) FELLOWSHIP - LANDON SCHNABEL	178899	\$10,000
Scott, Jeffrey	CALS Entomology	DOD -> DOD United States Army (Through: University of Florida)	DEVELOPMENT OF FLURALANER AS A SPACE SPRAY AND BAIT FOR CONTROL OF HOUSE FLIES	92604	\$128,731

Simpson, Kenneth	Clinical Sciences	RUSSO MANGIMI -> Farmina Pet Foods Holding BV	THE EFFECT OF FARMINA HYDROLIZED FISH PROTEIN DIET CURCUMIN, PREBIOTICS AND HIGHER VIT.B12 SUPPLEMENTATION AS DIETARY THERAPY OF CHRONIC ENTEROPATHY IN CATS	136110	\$52,615
Smart, Chris	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: University of Vermont)	DEVELOPING AN INTEGRATED MANAGEMENT PROGRAM FOR CUCURBIT YELLOW VINE DISEASE, AN EMERGING THREAT TO THE NORTHEAST	174022	\$15,000
Snavely, Noah	Tech Research	Korea Advanced Institute of Science and Technology	KOREAN AI RESEARCH HUB	178805	\$461,540
Snyder, Abigail	CALS Food Science	USDA -> USDA Agricultural Marketing Service (Through: Center For Produce Safety)	SOLUTIONS TO BRUSH SANITATION TAILORED TO THE PRODUCERS APPETITE FOR CAPITAL INVESTMENT AND LABOR INTENSITY	170444	\$403,154
Snyder, Abigail	CALS Food Science	USDA -> USDA Agricultural Marketing Service (Through: Center For Produce Safety)	SALMONELLA RISK IS ENHANCED BY ONION CONDITION OR DEFECT.	170454	\$409,152
Sosnoskie, Lynn	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: Oregon State University)	BEYOND CHEMICALS: ELECTRICITY AS AN ALTERNATIVE FOR WEED AND DISEASE MANAGEMENT IN HOPS	171369	\$60,192
Sullivan, Robert	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: Malin Space Science Systems Inc)	MSL MASTCAM/MAHLI SCIENCE TEAM PARTICIPANTS - SULLIVAN	56487	\$80,000
Tardos, Eva	Computer Science	DOD -> DOD US NAVY -> Office of Naval Research (Through: Regents of the University of Michigan)	NEW GAME THEORY FOR NEW AGENTS: FOUNDATIONS AND LEARNING ALGORITHMS FOR DECISION MAKING MIXED-AGENTS	164264	\$756,648
Thom-Levy, Julia	Lab. of Atomic & Solid State Physics	United States Department of Energy (Through: UCHICAGO -> Argonne National Laboratory -> Argonne National Laboratory)	SUCCESSIVE BUNCH DIFFRACTION DETECTOR FOR THE APS-U	146142	\$200,000
Turgeon, Barbara	CALS School of Integrative Plant Science	USDA -> USDA ARS -> USDA Agricultural Research Service Northeast Area	GENOMICS OF FUNGI ASSOCIATED WITH INVASIVE INVERTEBRATES (59-8062-2-005)	146963	\$44,000
Van Vliet, Krystyn	Center for Regional Economic Advancement	National Science Foundation (Through: SUNY -> State University of New York Binghamton)	NSF ENGINES: TYPE-2: NEW ENERGY NEW YORK STORAGE ENGINE (NENY-SE)	150019	\$2,276,269
Wiedmann, Martin	CALS Food Science	HHS -> PHS -> Centers for Disease Control and Prevention (Through: NYS -> NYSDOH -> Health Research Incorporated)	ELC FOODBORNE ILLNESS CENTERS OF EXCELLENCE	77671	\$350,690
Wiedmann, Martin	CALS Food Science	USDA -> USDA Agricultural Marketing Service (Through: Center For Produce Safety)	AGENT-BASED MODELS CAN PREDICT APPROPRIATE RISK-BASED SET-BACK DISTANCES FOR FLOODED FIELDS	170456	\$406,222
Wiedmann, Martin	CALS Food Science	USDA -> USDA Agricultural Marketing Service (Through: Center For Produce Safety)	QUANTITATIVE MICROBIAL RISK ASSESSMENTS NEED TO CONSIDER QUALITY PARAMETERS TO ACCURATELY PREDICT PRODUCE FOOD SAFETY RISKS	170806	\$372,578

Xing, H. Grace	Electrical & Computer Engineering	United States Department of Energy (Through: AZ Board of Regents on behalf of Arizona State University)	ULTRA MATERIALS FOR A RESILIENT, SMART ELECTRICITY GRID	92727	\$150,000
Yue, Shuwen	Chemical & Biomolecular Engineering	Research Corporation for Science Advancement	AI/ML-ASSISTED SEPARATION AND PROGRAMMABLE ELECTRODEPOSITION OF CO AND NI OR CONTROLLING AND CHARACTERIZING ELECTROCHEMICAL MICROENVIRONMENTS FOR SELECTIVE, DIRECTIONAL ION TRANSPORT IN CRITICAL MINER	178347	\$66,000
Zakharevich, Inna	Mathematics	NSF -> NSF Directorate for Mathematical and Physical Sciences	STRUCTURES ON COMBINATORIAL K-THEORY: TR, ZETA-FUNCTIONS, AND MOTIVIC MEASURES	167924	\$250,999