

**Cornell University, Office of Sponsored Programs
Awards Received in November 2022**

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Aguilar-Carreno, Hector	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Dental and Craniofacial Research (Through: Icahn School Of Medicine at Mount Sinai)	GENETIC INVESTIGATION OF SARS-COV-2 INFECTION IN ORAL AND NASAL TISSUES	140524	\$137,973
Allred, Shorna	CALS Natural Resources	USDA -> USDA National Institute of Food and Agriculture (Through: UWS -> Board of Regents of the University of Wisconsin System on Behalf of the University of Wisconsin-Madison)	BUILDING EXTENSION CAPACITY AROUND LEGACY PLANNING FOR WOODLAND OWNERS	138773	\$2,995
Archer, Lynden	Chemical & Biomolecular Engineering	National Science Foundation	NSF I-CORPS HUB (TRACK 1): EAST REGION	144070	#####
Archer, Lynden	Chemical & Biomolecular Engineering	United States Department of Energy (Through: SUNY -> State University of New York Stony Brook)	EFR: CENTER FOR MESOSCALE TRANSPORT PROPERTIES	144395	\$1,200,000
Bazarov, Ivan	Cornell Lab Accelerator Sciences & Ed	DOE -> DOE Office of Science	LONG LIFETIME SPIN-POLARIZED ELECTRON SOURCES: HIGH CURRENT PERFORMANCE OF ALTERNATIVE GAAS ACTIVATION MATERIALS AND NOVEL SPIN-POLARIZED SOURCES VIA EPITAXIAL GROWTH	144342	\$410,000
Bazarova, Natalie	CALS Communication	NSF -> NSF Directorate for Technology, Innovation and Partnerships (Through: SUNY -> SUNYRF -> The Research Foundation for the State University of New York Buffalo)	NSF CONVERGENCE ACCELERATOR: TRACK F: ONLINE DECEPTION AWARENESS AND RESILIENCE TRAINING (DART)	144220	\$315,525
Bindel, David	Computer Science	The Simons Foundation Inc	FINDING OPTIMUM MAGNETIC FIELD WITH HIDDEN SYMMETRIES	85689	\$258,281
Bittner, Todd	CALS Cornell Botanic Gardens	County of Tompkins	FISCHER OLD-GROWTH FOREST PROPOSED MEADOWBROOK LLC ADDITION	143017	\$36,790
Brady, Anne Marie	Worker Institute	Cement & Concrete Workers District Council Laborers Employers Cooperation Education Trust	THE COST OF DOING BUSINESS: PREVAILING WAGE IN NEW YORK CITY	147167	\$32,625
Bronin, Sara	City and Regional Planning	GMU -> Mercatus Center	NATIONAL ZONING ATLAS	147628	\$642,225
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)	NEW YORK SEA GRANT EXTENSION PROGRAM (2022-2024)	141841	\$2,066,000
Carey, Colleen	Public Policy	The National Institute for Health Care Management	THE EFFECTS OF PHYSICIANS FINANCIAL TRANSFERS FROM DRUG FIRMS ON PRESCRIBING OF PHYSICIAN-ADMINISTERED CANCER DRUGS	146266	\$53,758

Cox, Kerik	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	EXPANDED STUDIES OF SUPPLEMENTAL UV LIGHT TO SUPPRESS FIRE BLIGHT OF APPLE	143290	\$32,838
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	143289	\$34,119
Danko, Charles	Baker Institute	United States Department of Energy (Through: Sandia National Laboratories)	MACHINE LEARNING MODELS TO PREDICT PHENOTYPE-ASSOCIATED DNA SEQUENCE VARIATION IN ALGAE AND HUMANS	144966	\$225,000
De Jong, Walter	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	POTATO VARIETY IDENTIFICATION (2021-2022)	141400	\$8,500
Degaetano, Arthur	CALS Earth and Atmospheric Science	Harmonic International LLC (Through: Fernleaf Interactive LLC)	SCIENCE RELATED COMMUNICATION SERVICES FOR THE CLIMATE PROGRAM OFFICE	146955	\$60,000
DiStasio, Robert	Chemistry and Chemical Biology	The Camille and Henry Dreyfus Foundation Inc	SEMI-LOCAL DENSITY FINGERPRINTS FOR MACHINE LEARNING MOLECULAR PROPERTIES, INTRA-/INTER-MOLECULAR INTERACTIONS, AND CHEMICAL REACTIONS	147091	\$122,744
Dombroskie, Jason	CALS Entomology	USDA -> USDA Animal and Plant Health Inspection Service (Through: NYS -> New York State Department of Agriculture and Markets)	22-23 STONE FRUIT	145364	\$8,000
Dombroskie, Jason	CALS Entomology	USDA -> USDA Animal and Plant Health Inspection Service (Through: NYS -> New York State Department of Agriculture and Markets)	BOX TREE MOTH SURVEY THROUGH PPA 7721 FOR 2022	145361	\$12,000
Duan, Ellie	CALS Animal Science	NSF -> NSF Directorate for Biological Sciences (Through: UA System -> University of Alabama at Birmingham)	BII: INTEGRATION INSTITUTE: SEX, AGING, GENOMICS, AND EVOLUTION (IISAGE)	142782	\$1,000,000
Foster, Nate	Computer Science	DOD -> DOD US NAVY -> Office of Naval Research (Through: Galois Inc)	5STARS: 5G SDN TOOLS FOR AUTOMATED AND RELIABLE SECURITY	143170	\$193,263
Giroux, Sarah	CALS Global Development	United States Department of State	ACCOUNTING FOR FOOD SECURITY AMONG AFRICAN CHILDREN: A RESEARCH AND TRAINING PROJECT	146441	\$39,816
Grundberg, Ethan	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets	SCREENING BIOFUNGICIDES WITH NOVEL MODES OF ACTION FOR ACTIVITY ON STEMPHYLIUM LEAF BLIGHT	142891	\$5,539
Grundberg, Ethan	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets	EVALUATING HERBICIDES FOR PALMER AMARANTH MANAGEMENT AND IMPROVED LATE-SEASON PIGWEED SUPPRESSION IN DIRECT SEEDED DRY BULB ONIONS ON MUCK SOILS	142890	\$10,286
Gu, April	Civil & Environmental Engineering	DC Water	HIGH-RATE BIOLOGICAL PHOSPHORUS REMOVAL	140274	\$4,000
Hansen, Ross	CALS Shoals	DOD -> DOD US NAVY -> Office of Naval Research (Through: University of New Hampshire)	CABLED ACOUSTIC ARRAY IN THE GULF OF MAINE	144807	\$105,716

Harrington, Laura	CALS Entomology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	NEW TARGETS FOR REPRODUCTIVE CONTROL OF MOSQUITO VECTORS	142100	\$2,833,902
Harrington, Laura	CALS Entomology	HHS -> PHS -> Centers for Disease Control and Prevention	NORTHEAST REGIONAL CENTER FOR EXCELLENCE IN VECTOR BORNE DISEASES	81477	\$1,200,000
Hay, Frank	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	MAINTAINING EFFICACY OF FRAC 3 FUNGICIDES FOR CONTROL OF STEMPHYLIUM LEAF BLIGHT (SLB) IN ONION.	142894	\$29,651
Haynes, Martha	Center Astrophysics-Planetary Science	The Brinson Foundation	FIREWORKS, FEEDBACK AND RECYCLING IN GAS-RICH GALAXIES (2023-2024)	145983	\$50,000
Henderson, Shane	Operations Research & Information Engr	NSF -> NSF Directorate for Mathematical and Physical Sciences	RAISE: IHBEM. HETEROGENEITY AND UNCERTAINTY IN EPIDEMIOLOGICAL MODELS	144432	\$999,442
Hoeping, Christy	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets	WEED MANAGEMENT IN MUCK-GROWN ONIONS	142895	\$19,500
Houlton, Benjamin	CALS Ecology & Evolutionary Biology	McCain Foods Limited	CARBON-NEGATIVE POTATO FARMING WITH ENHANCED WEATHERING	144630	\$291,994
Hyster, Todd	Chemistry and Chemical Biology	Bristol-Myers Squibb Company	GLUTARIMIDE SYNTHESIS USING PHOTOENZYMATIC CATALYSIS	143672	\$132,268
Johnson, Philippa	Clinical Sciences	AKC -> American Kennel Club Canine Health Foundation	MAPPING MICROSTRUCTURAL MYELIN AND AXONAL DAMAGE IN DOGS WITH IDIOPATHIC EPILEPSY USING DIFFUSION MRI AND TRACT-BASED SPATIAL STATISTICS	142940	\$1,190
Ju, Wendy	JTC Research	National Science Foundation	COLLABORATIVE RESEARCH: FW-HTF-P: USING TECHNOLOGY TO TRANSFORM MAKERS INTO CREATIVE ENTREPRENEURS	143719	\$20,457
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	143319	\$47,415
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	143317	\$41,239
Krasny, Marianne	CALS Natural Resources	Environmental Protect Agency (Through: North American Association for Environmental Education)	COMMUNITY ENGAGEMENT: GUIDELINES FOR EXCELLENCE TRAINING (EE360+)	146748	\$10,000
Lal, Amit	Electrical & Computer Engineering	DOD -> DOD Defense Advanced Research Project Agency (Through: Geegah LLC)	SAPIENT: SERVICES FOR ADVANCED PIEZOELECTRIC INTEGRATED ELECTRONIC NANOSYSTEMS TECHNOLOGY	139575	\$435,000
Lal, Amit	Electrical & Computer Engineering	DOD -> DOD Defense Advanced Research Project Agency (Through: Geegah LLC)	EPICUS: EDGE PHOTO INTELLIGENCE VIA COMPUTING ULTRASONICS	141514	\$507,067
Lee, Esak	Biomedical Engineering	International Foundation for Ethical Research Inc	FELLOWSHIP: YANSONG PENG	147708	\$37,500
Lejeune, Mani	Population Medicine & Diagnostic Science	OK ST U -> National Center For Veterinary Parasitology	A GENOMIC AND PROTEOMIC APPROACH FOR THE EVALUATION OF EXOSOMES FROM TOXOCARA EXCRETORY SECRETORY (TES) PRODUCTS FROM TOXOCARA CANIS AND TOXOCARA CATI LARVAL CULTURES	147410	\$15,000

Lewis, Nikole	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: The Board of Trustees of the Leland Stanford Junior University)	OPTIMIZING WFIRST CORONAGRAPH SCIENCE (WFIRST SCIENCE INVESTIGATION TEAM) SUPPLEMENT TO OSP # 89698	145648	\$50,000
Lighthall, Shari	CALS School of Integrative Plant Science	NYS -> Empire State Development	DAIRY IN THE CLASSROOM SECOND PHASE PILOT	142618	\$650,000
Lin, Hening	Chemistry and Chemical Biology	HHS -> PHS -> NIH -> NIH National Institute of Diabetes and Digestive and Kidney Diseases (Through: Virginia Commonwealth University)	THE ROLE OF AEG-1 IN NASH AND NASH-HCC	140511	\$407,242
Linder, Maurine	Molecular Medicine	Eikonizo Therapeutics Inc	INHIBITION OF MBLAC2 ACYL-COA HYDROLASE ACTIVITY	147668	\$10,141
Lohman, Rowena	Earth & Atmospheric Sciences	National Aeronautics and Space Administration	THE IMPACT OF SOIL MOISTURE VARIATIONS ON INSAR TIME SERIES ANALYSIS - APPLICATIONS AND EVALUATION OF THE EFFECT ON THE NISAR MISSION AND POTENTIAL FOR MITIGATION: EXTENSION	144949	\$309,999
Luo, Yiqi	CALS School of Integrative Plant Science	NSF -> NSF Directorate for Biological Sciences (Through: University of New Mexico)	LTER: SEVILLETA (SEV) SITE: CLIMATE VARIABILITY AT DRYLAND ECOTONES (ERIN OATES)	145102	\$67,753
McArt, Scott	CALS Entomology	USDA -> USDA National Institute of Food and Agriculture (Through: Pennsylvania State University)	THE FUTURE OF ORGANIC BEEKEEPING: INCREASING OPPORTUNITIES FOR BEEKEEPERS THROUGH ASSESSMENT OF HONEY BEE FORAGING PATTERNS ON ORGANIC FARMS	143334	\$253,138
McArt, Scott	CALS Entomology	NYS -> New York State Department of Agriculture and Markets	HONEYBEE (2022-2023)	143973	\$152,000
McArt, Scott	CALS Entomology	NYS -> New York State Department of Agriculture and Markets	HONEYBEE (2021-2022)	141360	\$180,000
Mehta, Saurabh	Nutritional Sciences	United States Agency for International Development (Through: JSI Research & Training Institute Inc)	NATIONAL FOOD CONSUMPTION AND MICRONUTRIENT SURVEY	146180	\$210,541
Monticone, Francesco	Electrical & Computer Engineering	Meta Materials Inc	REVOLUTIONIZING IMAGING SYSTEMS WITH NONLOCAL FLAT OPTICS	144272	\$300,000
Moses, Jeffrey	Applied & Engineering Physics	DOD -> DOD US NAVY -> Office of Naval Research	COMPACT, EFFICIENT, AND ULTRAFast PULSED MWIR AND LWIR LIGHT CONVERSION TECHNOLOGIES FOR DIRECTED ENERGY APPLICATIONS	89245	\$499,886
Nault, Brian	CALS Entomology	NYS -> New York State Department of Agriculture and Markets	EXPLORING NOVEL MANAGEMENT TACTICS FOR ONION MAGGOT, ONION THRIPS AND IYSV	142896	\$25,984
Ober, Christopher	Materials Science Engineering	United States Department of Energy (Through: Lawrence Berkeley National Laboratory)	CENTER FOR HIGH PRECISION PATTERNING SCIENCE (CHIPPS)	144333	\$767,000
Odoms-Young, Angela	Nutritional Sciences	Robert Wood Johnson Foundation	ACHIEVING A RACIALLY JUST FOOD SYSTEM: IMPLICATIONS FOR OBESITY PREVENTION AND IMPROVED CHILD HEALTH	146859	\$749,688
Overton, Thomas	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets	PRO DAIRY (2021-2022)	139632	\$1,201,000

Peck, Gregory	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	BLOOM THINNING COMMERCIALY IMPORTANT CULTIVARS IN NEW YORK USING THE POLLEN TUBE GROWTH MODEL	143352	\$24,212
Peters, Joe	CALS Microbiology	Graphite Bio, Inc.	DEVELOPING A HIGH EFFICIENCY I-F3B TN7-CRISPR-CAS SYSTEMS FOR GUIDE RNA-DIRECTED TRANSPOSITION IN HUMAN CELLS USING ATYPICAL GUIDE RNAs	137155	\$250,000
Pillemer, Karl	Bronfenbrenner Ctr for Translational Rsch	HHS -> PHS -> NIH -> NIH National Institute on Aging (Through: Weill Cornell Medicine)	CORNELL ROYBAL CENTER-TRANSLATIONAL RESEARCH INSTITUTE ON PAIN IN LATER LIFE	88112	\$218,980
Pingali, Prabhu	CALS Global Development	Sequoia Climate Fund	ADVANCING CLIMATE RESILIENCY IN AGRICULTURE SYSTEMS	147118	\$575,000
Rahm, Brian	CALS Biological & Environmental Engr	NYS -> New York State Department of Environmental Conservation	REGIONAL AQUATIC INVASIVE SPECIES CONTROL AND MANAGEMENT IN THE LOWER HUDSON	145701	\$999,905
Robinson, Terence	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	ORCHARD MANAGEMENT SYSTEMS AND ROOTSTOCKS FOR IMPROVED YIELD AND FRUIT QUALITY	143355	\$83,159
Robinson, Terence	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	PRECISION ORCHARD MANAGEMENT	143357	\$92,701
Roeder, Adrienne	Weill Institute	NSF -> NSF Directorate for Biological Sciences	UROL:EN: CONVERGENCE OF BIOLOGY AND ARCHITECTURE: HOW EMERGENT SYSTEM DYNAMICS GENERATE ADAPTABLE, ROBUST, AND RESILIENT FORMS	142718	\$3,000,000
Rose, Jocelyn	CALS School of Integrative Plant Science	United States-Israel Binational Agricultural Research and Development Fund	DEVELOPMENT OF NOVEL APPROACHES TO IMPROVE FRUIT QUALITY AND SHELF-LIFE VIA TAILORED AND TARGETED MANIPULATION OF CYTOKININ LEVELS	141617	\$155,000
Rudd, Brian	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	THE ROLE OF CD163L1 IN CD8+ T CELLS	144113	\$437,736
Schlom, Darrell	Materials Science Engineering	DOD -> DOD ARMY -> US ARL -> US Army Research Office (Through: UCAL -> The Regents of the University of California on behalf of its Berkeley Campus)	COLLABORATIVE HIERARCHICAL AND AGILE RESPONSIVE MATERIALS (CHARM)	140464	\$150,000
Schryver, Tom	Center for Economic Advancement	NYS -> Empire State Development	GROW-NY 2022 (CFA ROUND II)	143557	#####
Schwarz, Erich	CALS Molecular Biology & Genetics	HHS -> PHS -> National Institutes of Health (Through: UMASS -> University of Massachusetts Medical School)	A DUAL PURPOSE VACCINE TARGETING BLOOD-FEEDING NEMATODE PARASITES OF SHEEP AND HUMANS	88164	\$38,052
Sipple, John	CALS Global Development	HHS -> PHS -> Administration For Children And Families	AN EXAMINATION OF NEW FUNDING AND POLICIES ON EARLY CARE AND EDUCATION ACCESS IN POST-PANDEMIC NEW YORK STATE	144459	\$100,000
Smallidge, Peter	CALS Natural Resources	NYS -> New York State Department of Agriculture and Markets	MAPLE RESEARCH PROGRAM (2021-2022)	141407	\$125,000
Smart, Larry	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2022 CORNELL HOPS RESEARCH @ GENEVA: BREEDING HOP CULTIVARS FOR NEW YORK STATE	145334	\$300,000

Smart, Larry	CALS School of Integrative Plant Science	Foundation for Food & Agriculture Research	BREEDING AND CHARACTERIZING NEW CULTIVARS OF GRAIN AND FIBER HEMP	144861	\$1,500,000
Smart, Larry	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	CORNELL INDUSTRIAL HEMP AND WORKFORCE PROGRAM (2022-2023)	146246	\$1,000,000
Sorrells, Mark	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	CORNELL BARLEY RESEARCH (2021-2022)	141405	\$350,000
Sorrells, Mark	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	CORNELL BARLEY RESEARCH (2022-2023)	143985	\$353,000
Spitz, Judith	Central Research - Unallocated	Citigroup Foundation	BREAK THROUGH TECH CAPACITY-BUILDING	146579	\$250,000
Stache, Erin	Chemistry and Chemical Biology	American Chemical Society	CONTROLLED RADICAL POLYMERIZATION OF STRAINED CARBOCYCLES	143818	\$110,000
Stone, Violet	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: USMD -> University of Maryland College Park)	SARE FELLOWS PROGRAM	145989	\$11,448
Tiffany, Jennifer	NYC - Cooperative Extension	HHS -> PHS -> NIH -> NIH National Center for Advancing Translational Sciences (Through: Weill Cornell Medicine)	WEILL CLINICAL AND TRANSLATIONAL SCIENCE CENTER - CERO	140329	\$500,000
Tiffany, Jennifer	Bronfenbrenner Ctr for Translational Rsch	USDA -> USDA Food and Nutrition Service (Through: NYS -> New York State Department of Agriculture and Markets)	FARMERS MARKET NUTRITION PROGRAM - CORNELL UNIVERSITY COOPERATIVE EXTENSION-NYC	143808	\$50,000
Turgeon, Barbara	CALS School of Integrative Plant Science	USDA -> USDA Animal and Plant Health Inspection Service (Through: NYS -> New York State Department of Agriculture and Markets)	ASSISTANCE WITH DEREGULATION AND ENHANCED REGULATORY ACTIVITIES OF GOLDEN NEMATODE IN NEW YORK (2022-2023)	144216	\$70,000
Watkins, Christopher	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	STORAGE OF NEW AND TRADITIONAL APPLE VARIETIES	143366	\$58,457
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	\$429,273
Wild, Adam	CALS Natural Resources	North American Maple Syrup Council	DEVELOPING THE MAPLE CLIMATE NETWORK	146515	\$21,000
Xu, Chris	Applied & Engineering Physics	HHS -> PHS -> NIH -> NIH National Institute of Diabetes and Digestive and Kidney Diseases (Through: University of Southern California)	MULTIPHOTON IMAGING OF THE JUXTAGLOMERULAR APPARATUS	142544	\$362,825
Xu, Chris	Applied & Engineering Physics	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases (Through: U OF ROCHESTER -> University of Rochester Medical Center)	TISSUE REGULATION OF T CELL FUNCTION	145688	\$131,200

Xu, Kenong	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	UNDERSTANDING THE GENETIC CONTROL OF SELF-THINNING APPLES	143369	\$46,020
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	143368	\$44,840