

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

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Abbaspourrad, Alireza	CALS Food Science	Dairy Management Inc	ISOLATION AND ENCAPSULATION OF TRYPTOPHAN TO IMPROVE STABILITY AND REDUCE BITTERNESS	139644	\$195,000
Abbaspourrad, Alireza	CALS Food Science	Dairy Management Inc	IMPROVEMENT OF LACTOFERRIN THERMAL STABILITY AND FUNCTIONALITY BY COMPLEX COACERVATION AND MICROENCAPSULATION METHODS	139645	\$180,000
August, Avery	Microbiology and Immunology	HHS -> PHS -> National Institutes of Health (Through: HHS -> PHS -> NIH -> NIH National Institute of Biomedical Imaging and Bioengineering)	IMMUNO-ENGINEERING: INTEGRATED ENGINEERING AND IMMUNOLOGY TRAINING	83716	\$49,272
Austerman, Mary	CALS Sea Grant	NYS -> New York State Energy Research and Development Authority (Through: Eastern Research Group Inc)	NEW YORK STATE CLIMATE IMPACTS ASSESSMENT TECHNICAL WORKING GROUP: SOCIETY AND ECONOMY	147352	\$5,000
Baptist, Edward	Cornell Center for Social Sciences	The Andrew W Mellon Foundation	MELLON-FREEDOM ON THE MOVE PARTNERSHIP	146734	\$1,033,000
Bilinski, Cheryl	CALS Cornell Cooperative Extension	USDA -> USDA Agricultural Marketing Service	THE NY FOOD HUB COLLABORATIVE	145027	\$248,193
Bunting-Howarth, Katherine	CALS Sea Grant	US DOC -> National Oceanic and Atmospheric Administration	APPLYING AND SHARING EMERGING KNOWLEDGE ABOUT NATURAL AND NATURE-BASED FEATURES AND RESILIENT SHORELINES IN NEW YORK	146338	\$150,000
Calixto, Alejandro	CALS NYS Integrated Pest Management	NYS -> New York State Energy Research and Development Authority (Through: Eastern Research Group Inc)	NEW YORK STATE CLIMATE IMPACTS ASSESSMENT: TECHNICAL WORKGROUP MEMBER	147365	\$5,000
Campagna, Leonardo	CALS Lab of O - Administration	NSF -> NSF Directorate for Biological Sciences	RAPID PHENOTYPIC EVOLUTION THROUGH THE RESHUFFLING OF PIGMENTATION GENES	145539	\$973,030
Castelhano, Marta	Clinical Sciences	Morris Animal Foundation	MORRIS ANIMAL FOUNDATION GOLDEN RETRIEVER LIFETIME STUDY BIOBANK ASSESSMENT	146046	\$55,425
Ciaramella, Michael	CALS Sea Grant	US DOC -> National Oceanic and Atmospheric Administration (Through: Regents of the University of Minnesota)	FY 2022 ADVANCED AQUACULTURE COLLABORATIVES (HUBS): CONTINUED SUPPORT COMPETITION	143906	\$32,272
Ciaramella, Michael	CALS Sea Grant	US DOC -> National Oceanic and Atmospheric Administration (Through: UCONN -> Connecticut Sea Grant University Of Connecticut)	NURTURING THE SUCCESSFUL GROWTH AND MATURATION OF A DOMESTIC SEAWEED AQUACULTURE INDUSTRY: PHASE II	143946	\$15,662
Daniel, Susan	Chemical & Biomolecular Engineering	National Science Foundation	EAGER: PLANT MEMBRANE ON-A-CHIP FOR THE GENOME WIDE STUDIES OF PLANT TRANSPORT PROCESSES	92033	\$59,998
De Jong, Walter	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: University of Maine)	POTATO BREEDING TO IMPROVE YIELD, MARKETABILITY AND RESILIENCE TO ENVIRONMENTAL STRESS, PESTS, AND DISEASES	139384	\$8,566
DeLisa, Matthew	Chemical & Biomolecular Engineering	American Heart Association Inc	UTILIZATION OF A COMBINATORY MULTI-TECHNIQUE SYSTEM TOWARDS THE ADVANCEMENT OF CARDIAC GPCR PHARMACOLOGY	146684	\$140,558

Degaetano, Arthur	CALS Earth and Atmospheric Science	Delaware River Basin Commission	PROJECTED EXTREME RAINFALL INTENSITY ESTIMATES FOR THE DRBC REGION	146583	\$35,000
Dick, Robert	CALS Molecular Biology & Genetics	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases (Through: University of Virginia)	STRUCTURAL VIROLOGY OF TRIPARTITE MOTIF PROTEINS	141441	\$750,460
Diel, Diego	Population Medicine & Diagnostic Science	National Pork Board	IMPROVED STRATEGIES FOR PREVENTION OF AFRICAN SWINE FEVER VIRUS	145242	\$497,951
Dombroskie, Jason	CALS Entomology	USDA -> USDA Animal and Plant Health Inspection Service (Through: NYS -> New York State Department of Agriculture and Markets)	22-23 GRAPE - TAXONOMIC ID ENTOMOLOGY	145362	\$18,000
Donnelly, Eve	Materials Science Engineering	HHS -> PHS -> NIH -> NIH National Center for Advancing Translational Sciences (Through: Weill Cornell Medicine)	TRABECULAR BONE TEXTURE INDEX: A NOVEL TOOL FOR OSTEOPOROSIS SCREENING	146506	\$5,000
Eshenaur, Brian	CALS NYS Integrated Pest Management	NYS -> New York State Department of Agriculture and Markets	2022 NYS GRAPE CAPS COORDINATION	145866	\$12,200
Flyak, Andrew	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases (Through: The Johns Hopkins University)	MECHANISMS OF SPONTANEOUS AND VACCINE MEDIATED HEPATITIS C VIRUS CONTROL TO DIRECT RATIONAL DEVELOPMENT OF A NOVEL HCV VACCINE	146085	\$1,487,569
Gomez, Miguel	Dyson - Sponsored Activity	NYS -> New York State Department of Agriculture and Markets	AN EVALUATION OF VENDOR RETURNS FROM TASTE NY RETAIL OUTLETS	146202	\$69,000
Goodman, Laura	Baker Institute	Alfred P Sloan Foundation (Through: The Trustees of Columbia University in the City of New York)	TO PROVIDE A PROFILE OF CORONAVIRUSES CIRCULATING AMONG NYC DOMESTIC AND WILD ANIMALS AND IDENTIFY HEIGHTENED RISKS OF SPILLOVER TO WILDLIFE, PET, AND HUMAN POPULATIONS	145900	\$51,131
Harrington, Laura	CALS Entomology	The American Mosquito Control Association	ANALYSIS OF PERCEIVED RISKS AND BENEFITS OF MOSQUITO ABATEMENT AND PERSONAL PROTECTIVE STRATEGIES	149180	\$27,665
Hinojosa Huerta, Osvel	CALS Lab of O - Ctr Avian Studies	The David and Lucile Packard Foundation	CORNELL LAB OF ORNITHOLOGY COASTAL SOLUTIONS FELLOWS (PHASE IV)	146490	\$400,000
Hsu, Justin	Computer Science	DOD -> DOD US NAVY -> Office of Naval Research	FROM DISCRETE TO CONTINUOUS-TIME VERIFICATION FOR PROBABILISTIC HYBRID SYSTEMS	146649	\$750,000
Hyster, Todd	Chemistry and Chemical Biology	United States Department of Energy (Through: Princeton University)	EFRC - BIOLOGICALLY INSPIRED LIGHT ELEVATED CATALYSIS	138911	\$477,603
Jiang, Shaoyi	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Heart, Lung, and Blood Institute (Through: Carnegie Mellon University)	COMBINED USE OF POLYCARBOXYBETAINE COATINGS WITH A SELECTIVE FXIIA INHIBITOR TO CREATE POTENT BIOMATERIAL ANTICOAGULATION WITHOUT BLEEDING DURING EXTRACORPOREAL LIFE SUPPORT	140862	\$513,060
Joo, Yong	Chemical & Biomolecular Engineering	SAUDI Aramco Services Company -> Aramco Services Company	DEVELOPMENT OF GRAPHENE EXFOLIATION PROCESS FROM CALCINED PETROLEUM COKE	140183	\$250,000
Joo, Yong	Chemical & Biomolecular Engineering	Samsung Electronics Company Ltd	ULTRA-THIN POLYMER/CERAMIC HYBRID SEPARATORS FOR LI-ION BATTERIES	145875	\$250,000

Kingra, Mahinder	CU Press	National Endowment for the Humanities	NEH FELLOWSHIPS OPEN BOOK PROGRAM - KANE	145759	\$5,500
Kingra, Mahinder	CU Press	National Endowment for the Humanities	NEH FELLOWSHIPS OPEN BOOK PROGRAM - KHALID	145760	\$5,500
Kingra, Mahinder	CU Press	National Endowment for the Humanities	NEH FELLOWSHIPS OPEN BOOK PROGRAM - CAMERON	145754	\$5,500
Kingra, Mahinder	CU Press	National Endowment for the Humanities	NEH FELLOWSHIPS OPEN BOOK PROGRAM - CHRISSIDIS	145756	\$5,500
Kingra, Mahinder	CU Press	National Endowment for the Humanities	NEH FELLOWSHIPS OPEN BOOK PROGRAM - EFFROS	145757	\$5,500
Kingra, Mahinder	CU Press	National Endowment for the Humanities	NEH FELLOWSHIPS OPEN BOOK PROGRAM - GAPOSCHKIN	145758	\$5,500
Kingra, Mahinder	CU Press	National Endowment for the Humanities	NEH FELLOWSHIPS OPEN BOOK PROGRAM - PETERSON	145761	\$5,500
Lammerding, Jan	Weill Institute	American Heart Association Inc	IDENTIFYING THE DOWNSTREAM EFFECTS OF LMNA MUTATIONS ON MECHANOTRANSDUCTION IN DILATED CARDIOMYOPATHY	146520	\$140,558
Lammerding, Jan	Weill Institute	HHS -> PHS -> NIH -> NIH National Cancer Institute (Through: Massachusetts Institute of Technology)	USING NOVEL MICROFLUIDIC IN VITRO MODELS TO IDENTIFY THE FUNCTIONAL CONSEQUENCES OF MECHANICAL STRESS DURING TUMOR CELL EXTRAVASATION	144577	\$156,178
Lammerding, Jan	Weill Institute	Volkswagen Foundation	SURVIVING UNDER PRESSURE: ADAPTATION TO MECHANICAL FORCES AS A KEY STEP IN THE EVOLUTION OF MULTICELLULAR LIFE	88360	\$2,196
Lehner, Flavio	CALS Earth and Atmospheric Science	DOD -> DOD ARMY -> US Army Corps of Engineers	FIT FOR PURPOSE? AN INTEGRATIVE ASSESSMENT OF STATE-OF-THE-SCIENCE DOWNSCALING METHODS FOR DOD INFRASTRUCTURE PLANNING	141196	\$1,638,326
Lighthall, Shari	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	ASSOCIATION OF AGRICULTURAL EDUCATORS (2022-2023)	143971	\$500,000
Lighthall, Shari	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	CORNELL URBAN AGRICULTURE EDUCATION AND OUTREACH PROGRAM (2022-2023)	145403	\$250,000
Liu, Kelly	Molecular Biology and Genetics	Howard Hughes Medical Institute	DISSECTING THE STRUCTURE/FUNCTION RELATIONSHIP OF SEM-2/SOXC IN C. ELEGANS	92146	\$3,000
Matias, J.	CALS Communication	New Venture Fund	ETHICS OF INTERNET-RELATED RESEARCH	145968	\$75,270
McGeachy, Mandy	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	IL-17 REGULATION OF TYPE-1 IMMUNITY IN CHRONIC VIRAL INFECTION	147193	\$2,153,995
Mehta, Saurabh	Nutritional Sciences	World Health Organization	EVIDENCE SYNTHESIS TO INFORM WHO GLOBAL GUIDELINES FOR OBESITY	147100	\$106,500
Mellon, Michael	Center Astrophysics-Planetary Science	NASA -> Jet Propulsion Laboratory (Through: University of Arizona)	HIRISE: HIGH RESOLUTION IMAGING SCIENCE EXPERIMENT, CO-INVESTIGATOR	87369	\$120,000
Miller, Matthew	Cornell Lab Accelerator Sciences & Ed	DOD -> DOD US AF -> Air Force Research Laboratory	MATERIALS SOLUTIONS NETWORK AT CHESS (MSN-C)	145470	\$2,890,700
Molnar, Alyosha	Electrical & Computer Engineering	DOD -> DOD Defense Advanced Research Project Agency (Through: Intel Corporation)	ELECTRICAL IC (EIC) DEVELOPMENT FOR SILICON PHOTONIC DESIGNS - PIPES	145926	\$208,404

Molnar, Alyosha	Electrical & Computer Engineering	SRC -> SRCco Inc (Through: Georgia Institute of Technology)	COGNISENSE: CENTER ON COGNITIVE MULTISPECTRAL SENSORS	145166	\$1,350,001
Niemack, Michael	Cornell Lab Accelerator Sciences & Ed	NSF -> NSF Division of Polar Programs (Through: University of Chicago)	MID-SCALE (RI-1 (M1:DP): CONSORTIUM PROPOSAL FOR CMB-S4 DESIGN DEVELOPMENT	136338	\$32,295
O'Brien, Kimberly	Nutritional Sciences	American Heart Association Inc	2023 AHA PREDOCTORAL FELLOWSHIP	146458	\$65,106
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
Parpia, Jeevak	Lab. of Atomic & Solid State Physics	University of London	PHASE 2 COLLABORATION CORNELL UNIVERSITY (PI JEEVAK PARPIA) AND ROYAL HOLLOWAY (PI JOHN SAUNDERS, CO-PI ANDREW CASEY)	142042	\$19,418
Peck, Gregory	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	CORNELL HARD CIDER RESEARCH (2021-2022)	141691	\$240,000
Quigley, J.D.	Mathematics	NSF -> NSF Directorate for Mathematical and Physical Sciences	STABLE HOMOTOPY THEORY IN ALGEBRA, TOPOLOGY, AND GEOMETRY	142170	\$211,980
Ray, Lauren	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets	METHANE AND N2O MEASUREMENT ON NYS DAIRY FARMS AND MANURE SYSTEMS	144232	\$820,000
Reed, Patrick	Civil & Environmental Engineering	Tampa Bay Water (Through: University of North Carolina Chapel Hill)	UNDERSTANDING DEMAND-SUPPLY-FINANCE NEXUS FOR WATER SUPPLY PLANNING: INFRASTRUCTURE DECISION FRAMEWORK (IDF)	88052	\$50,000
Reesink, Heidi	Clinical Sciences	HHS -> PHS -> NIH -> NIH National Center for Advancing Translational Sciences (Through: Weill Cornell Medicine)	CLINICAL AND TRANSLATIONAL SCIENCE CENTER - VETERINARY MEDICINE AND TRANSLATIONAL RESOURCES	140382	\$784,505
Reeves, Anthony	Electrical & Computer Engineering	HHS -> PHS -> Centers for Disease Control and Prevention (Through: Center for Asbestos Related Disease Inc)	SERVICE CONTRACT	141568	\$72,000
Rossi, Frank	CALS School of Integrative Plant Science	NYS -> New York State Department of Environmental Conservation (Through: Rochester Institute of Technology)	DIGITAL POLLUTION PREVENTION TOOLS FOR URBAN GREEN SPACE MANAGEMENT	145047	\$76,399
Rudd, Brian	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH Office of the Director	REGULATION OF CD8+ T CELL EXHAUSTION BY LET-7/LIN28B IN DIFFERENT STAGES OF LIFE	139757	\$8,204
Rudstam, Lars	CALS Natural Resources	NYS -> New York State Department of Environmental Conservation	ONEIDA LAKE WARMWATER FISHERIES RESEARCH	89821	\$445,486
Schaffer, Chris	Biomedical Engineering	HHS -> PHS -> National Institutes of Health (Through: Trustees of Boston University)	NEUROPHOTONIC ADVANCES FOR MECHANISTIC INVESTIGATION OF THE ROLE OF CAPILLARY DYSFUNCTION IN STROKE RECOVERY	143472	\$1,118,271
Sethi, Suresh	CALS Natural Resources	Alaska Pacific University	MODELING FISHING ACTIVITY AND FISHING GEAR MODIFICATION DYNAMICS FOR BENTHIC ECOSYSTEMS: DEVELOPMENT AND TESTING FOR ALASKAN WATERS	90627	\$43,175

Shi, Linda	City and Regional Planning	United States Department of Commerce (Through: AU -> Antioch University New England)	NORTHEAST INTEGRATED NETWORKS FOR JUST ADAPTATION	142414	\$18,368
Simmons, Glenn	Biomedical Sciences	HHS -> PHS -> NIH -> NIH National Cancer Institute	REGULATION OF THE INNATE IMMUNE RESPONSE IN THE TUMOR MICROENVIRONMENT OF LUNG ADENOCARCINOMA	142233	\$1
Simpson, Kenneth	Clinical Sciences	Intralytix Inc.	MODIFIED ROUTINE PRODUCT TESTING AGREEMENT: INTRALYTIX: ISOLATION AND CHARACTERIZATION OF E. COLI STRAINS TO DETERMINE THEIR AIEC PROFILE	141117	\$97,150
Smart, Larry	CALS School of Integrative Plant Science	Foundation for Food & Agriculture Research	ELUCIDATING THE GENETIC BASIS FOR SUB-TROPICAL FLOWERING IN HEMP	145070	\$545,000
Snover-Clift, Karen	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	PLANT DISEASE DIAGNOSTIC SERVICES	146199	\$16,000
Steenhuis, Tamme	CALS Biological & Environmental Engr	NYS -> New York State Department of Environmental Conservation	WATER QUALITY MONITORING FOR PESTICIDES IN UPSTATE NEW YORK	136274	\$241,040
Sun, Qi	Institute Biotechnology & Life Science	USDA -> USDA ARS -> USDA Agricultural Research Service Midwest Northeast Area	BIOINFORMATICS USDA RESEARCH SUPPORT AGREEMENT 58-8060-2-007; "ACQUISITION OF GOODS AND SERVICES"	145957	\$51,043
Tian, Zhiting	Mechanical & Aerospace Engineering	DOD -> DOD US NAVY -> Office of Naval Research	THERMAL PROPERTY AND ULTRAFAST DYNAMICS MEASUREMENTS OF ULTRAWIDE BANDGAP SEMICONDUCTORS	144707	\$457,900
Tian, Zhiting	Mechanical & Aerospace Engineering	SRC -> SRCco Inc (Through: Pennsylvania State University)	CENTER FOR HETEROGENEOUS INTEGRATION OF MICRO ELECTRONIC SYSTEMS (CHIMES)	145231	\$1,367,063
Turner, Andy	Bronfenbrenner Ctr for Translational Rsch	Robert Wood Johnson Foundation (Through: National 4-H Council)	4-H PATHWAYS INSTITUTE, CHANGE MANAGEMENT PROJECT	147011	\$20,000
Upton, Joanna	Dyson - Sponsored Activity	Catholic Relief Services Inc	MEASUREMENT INDICATORS FOR RESILIENCE ANALYSIS (MIRA): EXPANDING BEST PRACTICES AND PARTNERSHIPS FOR HIGH-FREQUENCY DATA COLLECTION AND RESILIENCE ANALYSIS	92254	\$52,524
Vanden Heuvel, Justine	CALS School of Integrative Plant Science	PENNSYLVANIA -> Pennsylvania Liquor Control Board	BUILDING CLUSTER COUNTING INTO MY EFFICIENT VINEYARD TO AID YIELD PREDICTION	145036	\$54,107
Vatamaniuk, Olena	CALS School of Integrative Plant Science	NSF -> NSF Directorate for Biological Sciences	THE ROLE OF COPPER AND TRANSCRIPTIONAL REGULATORY NETWORKS GOVERNING COPPER HOMEOSTASIS IN POLLEN FERTILITY IN A. THALIANA.	79024	\$139,754
Wagner, Bettina	Population Medicine & Diagnostic Science	American Quarter Horse Foundation	CHARACTERIZING NASAL T CELL POPULATIONS IN EQUINE HERPESVIRUS TYPE 1 (EHV-1) IMMUNE AND SUSCEPTIBLE HORSES	142363	\$19,994
Wang, Michelle	Lab. of Atomic & Solid State Physics	Howard Hughes Medical Institute	HOWARD HUGHES MEDICAL INSTITUTE INVESTIGATOR	57220	\$325,205
Whitmore, Mark	CALS Natural Resources	The Nature Conservancy Inc	TREE SPECIES IN PERIL: AMERICAN BEECH, EASTERN HEMLOCK, AND THREE EASTERN ASH SPECIES	147588	\$12,966
Wiedmann, Martin	CALS Food Science	NYS -> New York State Department of Environmental Conservation (Through: Rochester Institute of Technology)	REDUCING WASTE OF DAIRY FOODS THROUGH IMPLEMENTATION OF DIGITAL TWIN-BASED DYNAMIC SHELF-LIFE LABELLING	144876	\$149,999

Wilde, Mark	Electrical & Computer Engineering	DOD -> DOD US AF -> Air Force Office of Scientific Research (Through: University Of New Orleans)	DEVICE-INDEPENDENT QUANTUM INFORMATION	144781	\$132,090
Wilde, Mark	Electrical & Computer Engineering	National Science Foundation	QUANTIFYING AND OPTIMIZING THE PERFORMANCE OF CONTINUOUS-VARIABLE QUANTUM LOGIC OPERATIONS	144780	\$299,988
Xing, H. Grace	Electrical & Computer Engineering	DOD -> DOD Defense Advanced Research Project Agency (Through: SRC -> SRCco Inc)	SUPERIOR ENERGY-EFFICIENT MATERIALS AND DEVICES (SUPREME)	145105	\$29,151,062
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	\$1,641
Zhang, Zhiru	Electrical & Computer Engineering	SRC -> SRCco Inc (Through: UIILL -> University of Illinois at Urbana-Champaign)	EVOLVABLE COMPUTING FOR NEXT GENERATION DISTRIBUTED COMPUTER SYSTEMS	145117	\$3,824,998