

Cornell University, Office of Sponsored Programs
Awards Received in February 2022

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Abbaspourrad, Alireza	CALS Food Science	NYS -> Empire State Development	2022 DAIRY PROMOTION ORDER - SEQUESTRATION OF BOVINE MILK OLIGOSACCHARIDE: A NOVEL VALUE-ADDED FOOD INGREDIENT	141598	\$111,100
Abbaspourrad, Alireza	CALS Food Science	NYS -> Empire State Development	2022 DAIRY PROMOTION ORDER - CONVERSION OF MILK PROTEINS TO CLEAN LABEL EMULSIFIERS	141599	\$98,120
Abbaspourrad, Alireza	CALS Food Science	Tate & Lyle Plc	METHODS TOWARDS THE HETEROGENEOUS FUNCTIONALIZATION OF STARCH GRANULES	88713	\$185,000
Abruna, Hector	Chemistry and Chemical Biology	DOD -> DOD US AF -> Air Force Office of Scientific Research (Through: Emory University)	MURI: MOLECULAR LEVEL STUDIES OF SOLID-LIQUID INTERFACES IN ELECTROCHEMICAL PROCESSES	85233	\$187,500
Aguilar-Carreno, Hector	Microbiology and Immunology	DOD -> DOD Defense Advanced Research Project Agency (Through: Montana State University)	CHARACTERIZATION OF NOVEL HENIPAVIRAL GLYCOPROTEIN SEQUENCE FUNCTIONS OPTION 1	86434	\$394,000
Alani, Eric	CALS Molecular Biology & Genetics	HHS -> PHS -> National Institutes of Health	UNCOVERING THE ROLE OF EXO1 IN MEIOTIC RECOMBINATION	139679	\$93,810
Baines, Joel	Baker Institute for Animal Health	HHS -> PHS -> National Institutes of Health	HOW HSV REPURPOSES HOST TRANSCRIPTIONAL MACHINERY FOR VIRAL GENE EXPRESSION	141894	\$1,041,059
Barbano, David	CALS Food Science	NYS -> Empire State Development	2022 DAIRY PROMOTION ORDER - TRANSFER OF TECHNOLOGY FOR THE NEDFRC	141595	\$55,699
Bouklas, Nikolaos	Mechanical & Aerospace Engineering	National Science Foundation	GOAL: COLLABORATIVE RESEARCH: INSTABILITIES AND LOCAL STRAINS IN ENGINEERED CARTILAGE CONSTRUCTS	138903	\$500,000
Buck, Louise	CALS Natural Resources	Ecoagriculture Partners	LANDSCAPE OUTCOME MEASURES II	58077	\$108,045
Choudhury, Tanzeem	JTC Research	Meharry Medical College	MEHARRY PRECISION BEHAVIORAL HEALTH	142175	\$100,000
Cook, LaWanda	Yang Tan Institute	US Department of Health and Human Services (Through: NYS -> New York State Developmental Disabilities Planning Council)	COMMUNITY OF PRACTICE: REENTRY FOR YOUTH WITH DEVELOPMENTAL DISABILITIES	87567	\$59,590
Cox, Kerik	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: USDA -> USDA ARS -> ARS Midwest Area)	ECOLOGY AND INTEGRATED MANAGEMENT OF AMBROSIA BEETLES IN EASTERN US ORCHARD AND ORNAMENTAL TREE CROPS	140052	\$249,603
Csaki, Csaba	Cornell Lab Accelerator Sciences & Ed	United States-Israel Binational Science Foundation	FROM THE SMALLEST TO THE LARGEST SCALES: SEARCHING FOR PHYSICS BEYOND THE STANDARD MODEL	138372	\$15,096
Datta, Ashim	CALS Biological & Environmental Engr	Pepsico Inc	A DIGITAL TWIN TO MAXIMIZE THE QUALITY OF THE HYBRID-BAKED CHIP	92595	\$14,394
De Vlaminc, Iwijn	Biomedical Engineering	HHS -> PHS -> National Institutes of Health (Through: Weill Cornell Medicine)	CELL-FREE DNA IN PERITONEAL FLUID AS A NOVEL AND VERSATILE ANALYTE FOR MONITORING PERITONITIS	137792	\$219,603
DeLisa, Matthew	Institute Biotechnology & Life Science	NYS -> Empire State Development	CENTER FOR LIFE SCIENCE ENTERPRISE	139995	\$4,242,122
Fischbach, Claudia	Biomedical Engineering	HHS -> PHS -> National Institutes of Health (Through: Weill Cornell Medicine)	COPPER-MEDIATED METABOLIC REPROGRAMMING AND ECM ALTERNATION IN TNBC METASTASIS	137056	\$237,750
Giannelis, Emmanuel	Office of the Vice Provost for Research	DOD -> DOD US AF -> Air Force Research Laboratory	NORTHEAST AFRL REGIONAL RESEARCH CONVERGENCE HUB (NE HUB)	141496	\$8,987,646

Gomez, Miguel	Dyson - Sponsored Activity	National Science Foundation	DOCTORAL DISSERTATION RESEARCH IN ECONOMICS: MATCHING NEW AGRICULTURAL TECHNOLOGY WITH THE DEMAND FOR INNOVATION OF LOW-INCOME FARMERS	138333	\$32,075
Goodman, Laura	Baker Institute for Animal Health	USDA -> USDA Animal and Plant Health Inspection Service (Through: University of Georgia)	UNITED FRONT TO DEVELOP HARMONIZED NGS TRAINING AND PROCEDURES TO INCREASE THE CAPABILITIES AND CAPACITY OF NAHLN LABORATORIES IN RESPONSE TO ANTIMICROBIAL RESISTANCE (AMR)	91555	\$2,355
Henderson, Charles	Human Development	HHS -> PHS -> National Institutes of Health (Through: Weill Cornell Medicine)	DELIVERY OF AN AT-HOME NONPHARMACOLOGIC INTERVENTION (TRANSCRANIAL NEUROSTIMULATION) TO MITIGATE PAIN IN PATIENTS WITH END STAGE KIDNEY DISEASE RECEIVING HEMODIALYSIS	138776	\$162,522
Hoepfing, Christy	CALS Cornell Cooperative Extension	USDA -> USDA National Institute of Food and Agriculture (Through: USMD -> University of Maryland Eastern Shore)	EFFICACY AND CROP SAFETY OF XDE-659 FOR CONTROL OF DISEASES IN SHALLOTS (P12804) AND BROCCOLI (P12806)	141976	\$15,000
Holden, Martha	Bronfenbrenner Ctr for Translational Rsch	NYS -> New York State Office of Children and Family Services	CRISIS INTERVENTION, DE-ESCALATION, AND RESTRAINT TRAINING FOR RESIDENTIAL CHILD CARE PROVIDERS (C029270)	140308	\$861,120
Howarth, Robert	CALS Ecology & Evolutionary Biology	NSF -> NSF Directorate for Biological Sciences	LTREB: NUTRIENTS AND CLIMATE AS DRIVERS OF CARBON SEQUESTRATION AND ECOSYSTEM METABOLISM IN A SHALLOW COASTAL ECOSYSTEM DURING RECOVERY FROM NITROGEN POLLUTION	79127	\$95,580
Ivanek Miojevic, Renata	Population Medicine & Diagnostic Science	USDA -> USDA National Institute of Food and Agriculture (Through: UCAL -> The Regents of the University of California on behalf of its Davis Campus)	THE AI INSTITUTE FOR SUSTAINABLE FOOD SYSTEMS	92188	\$653,011
Jiang, Shaoyi	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Cancer Institute (Through: Leidos Biomedical Research Inc)	PRODUCTION OF MRNA-LNPS	142638	\$13,884
Just, David	Dyson - Sponsored Activity	National Science Foundation	DDRIG IN DRMS: POLICY INTERACTIONS AND DECISION ERRORS IN THE MARKET FOR ENERGY EFFICIENT LIGHTBULBS	141433	\$40,024
Kalantari, Saleh	Design and Environmental Analysis	HHS -> Administration For Community Living (Through: Weill Cornell Medicine)	USING A NATURE-BASED VIRTUAL REALITY COGNITIVE ENGAGEMENT ENVIRONMENT FOR IMPROVING MOOD AND STRESS STATES IN OLDER ADULTS WITH MILD COGNITIVE IMPAIRMENT	138491	\$23,400
Karhan, Andrew	Yang Tan Institute	United States Department of Labor (Through: The Council Of State Governments)	NATIONAL POLICY DEVELOPMENT CENTER FOR PREPARING YOUTH AND YOUNG ADULTS WITH DISABILITIES FOR EMPLOYMENT	90754	\$300,000
Karim, Sabrina	Government	National Science Foundation	CAREER: "BLUE VIOLENCE:" THE POLITICS OF GLOBAL POLICE VIOLENCE AND CHANGE	140871	\$650,808
Klinck, Holger	CALS Lab of O - K. Lisa Yang Center	DOD -> DOD US NAVY -> Office of Naval Research (Through: San Diego State University Research Foundation)	USING CONTEXT TO IMPROVE MARINE MAMMAL CLASSIFICATION	82150	\$80,825
Klinck, Holger	CALS Lab of O - K. Lisa Yang Center	DOD -> DOD US NAVY -> Naval Facilities Engineering Command (Through: Triton Systems Inc.)	NAVY SBIR PHASE II TOPIC N193-148 ENTITLED - UNMANNED UNDERWATER VEHICLE (UUV) TECHNOLOGY TO ENABLE RANGE READINESS	138585	\$90,319
Kreps, Sarah	Government	Charles Koch Foundation	SEMICONDUCTOR SUPPLY CHAIN RESEARCH	143277	\$25,000

Liepe, Matthias	Cornell Lab Accelerator Sciences & Ed	NSF -> NSF Directorate for Mathematical and Physical Sciences	REU SITE: ACCELERATOR PHYSICS AND SYNCHROTRON RADIATION SCIENCE	141452	\$442,630
Lin, Hening	Chemistry and Chemical Biology	Howard Hughes Medical Institute	DISCOVERING AND UNDERSTANDING NOVEL PROTEIN POSTTRANSLATIONAL MODIFICATIONS VIA STUDYING ORPHAN ENZYMES	77190	\$2,064,112
Marschner, Stephen	Computer Science	The Procter & Gamble Company	DETAILED MEASUREMENT OF HUMAN HAIR APPEARANCE	141478	\$76,574
McMahon, Peter	Applied & Engineering Physics	DOD -> DOD US AF -> Air Force Office of Scientific Research (Through: Princeton University)	RESERVOIR COMPUTING AS A GENERAL FRAMEWORK FOR A COMPARATIVE STUDY OF CLASSICAL AND QUANTUM INFORMATION PROCESSING	140560	\$121,470
McNutt, Timothy	Labor & Employment Law	NYS -> New York State Department of Labor	OPENING PATHWAYS TO EMPLOYMENT FOR THE JUSTICE-IMPACTED - T21202GG	141013	\$50,000
Messer, Philipp	CALS Computational Biology	HHS -> PHS -> National Institutes of Health (Through: Weill Cornell Medicine)	DEVELOPING SUICIDE RISK ALGORITHMS FOR DIVERSE CLINICAL SETTINGS USING DATA FUSION	143151	\$33,050
Molnar, Alyosha	Electrical & Computer Engineering	SRC -> SRCco Inc (Through: UCAL -> The Regents of the University of California on behalf of its Santa Barbara Campus)	COMSENTER: A CENTER FOR CONVERGED TERAHERTZ COMMUNICATIONS AND SENSING	83946	\$400,000
Moraru, Carmen	CALS Food Science	NYS -> Empire State Development	2022 DAIRY PROMOTION ORDER - MICROWAVE VACUUM DEHYDRATED, SHELF STABLE CREAM	141596	\$99,890
Moroni, Paolo	Population Medicine & Diagnostic Science	Thermo Fisher Scientific Inc	RPTA - USE OF PCR FOR DETECTION OF STAPHYLOCOCCUS AUREUS AND MYCOPLASMA SPP DIRECTLY FROM MILK SAMPLE	142837	\$49,267
Mulligan, Kathleen	Worker Institute	NYS -> New York State Department of Labor	NEW YORK STATE AFL-CIO / CORNELL UNION LEADERSHIP INSTITUTE - C21209GG	142491	\$150,000
Peters, Joe	CALS Microbiology	SalioGen Therapeutics, Inc.	ADAPTING TRANSPOSON TN7 AS A DNA INTEGRATION TOOL IN HUMAN CELLS	142445	\$200,000
Place, Ned	Population Medicine & Diagnostic Science	National Science Foundation	COLLABORATIVE RESEARCH: HYALURONAN, NRF2 AND PROTRACTED FEMALE FERTILITY IN LONG-LIVED NAKED MOLE-RATS	91778	\$46,175
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	\$49,999
Rivera, Monique	CALS Entomology	Citrus Research Board	ASIAN CITRUS PSYLLIS UNDER CALIFORNIA CONDITIONS: WIND, ATMOSPHERIC PRESSURE, TEMPERATURE, AND HUMIDITY	143214	\$12,997
Rizvi, Syed	CALS Food Science	NYS -> Empire State Development	2022 DAIRY PROMOTION ORDER - DEVELOPMENT OF QUICK, IN-MOUTH DISSOLVING MILK PROTEIN-RICH EXTRUDED BABY FOODS	141597	\$98,710
Russell, David	Microbiology and Immunology	HHS -> PHS -> National Institutes of Health	BSL3 FLOW SORTER FOR HUMAN PATHOGENS OF GLOBAL SIGNIFICANCE	140448	\$362,340
Samaranayake, Samitha	Civil & Environmental Engineering	National Science Foundation	CAREER: ALGORITHMIC FOUNDATIONS FOR DEMAND-RESPONSIVE TRANSIT SYSTEMS - CREATING MORE EQUITABLE AND SUSTAINABLE CITIES THROUGH BETTER TRANSIT	140431	\$598,119
Samuelian, Michael	JTC Operations	The Tides Network Inc.	GOOGLE COMMUNITY GRANTS FUND	142164	\$50,000
Savransky, Dmitry	Mechanical & Aerospace Engineering	CANADA -> National Research Council Canada	FOCAL PLANE WAVEFRONT SENSING AND CONTROL FOR THE GPI CAL 2.0	136483	\$146,660

Schaffer, Chris	Biomedical Engineering	The Michael J. Fox Foundation For Parkinson's Research (Through: Weill Cornell Medicine)	-SYNUCLEIN EFFECTS ON GUT BRAIN CIRCUITS AND PRE-MOTOR SYMPTOMS IN PARKINSON'S DISEASE	139374	\$916,361
Scheinberg, Katya	Operations Research & Information Engr	DOD -> DOD US NAVY -> Office of Naval Research	STOCHASTIC FUNCTION ORACLES AND THEIR USE IN CONVERGENT OPTIMIZATION ALGORITHMS	141448	\$481,965
Scheinberg, Katya	Operations Research & Information Engr	National Science Foundation	COLLABORATIVE PROPOSAL: CCF-AF: SMALL: A UNIFIED FRAMEWORK FOR ANALYZING ADAPTIVE STOCHASTIC OPTIMIZATION METHODS BASED ON PROBABILISTIC ORACLES	140776	\$250,000
Schmit, Todd	Dyson - Sponsored Activity	USDA -> USDA Agricultural Marketing Service (Through: North Carolina State University)	EXPANDING DIRECT-TO-CONSUMER MARKETING AND PROCESSING CAPACITY FOR LOCAL MEAT IN RESPONSE TO COVID-19	140580	\$140,297
Shvets, Gennady	Applied & Engineering Physics	United States Department of Energy	ION CHANNEL LASER BASED ON DIRECT LASER ACCELERATION OF A SHAPED BEAM DRIVER	86612	\$32,651
Skinner, Lara	Worker Institute	NYS -> New York State Department of Labor	CORNELL ILR LABOR LEADING ON CLIMATE INITIATIVE FY22 - C21229GG	141014	\$500,000
Smith, Norah	Microbiology and Immunology	Jackson Laboratory	NATURAL GENETIC VARIATION IN THE CD8+ T CELL RESPONSE TO MICROBIAL EXPOSURE	142708	\$10,000
Sorrells, Mark	CALS School of Integrative Plant Science	American Malting Barley Association Inc	GENETIC CHARACTERIZATION OF GERMINATION TRAITS AND THEIR RELATIONSHIP TO PRE-HARVEST SPROUTING AND MALTING QUALITY IN WINTER AND SPRING BARLEY	139407	\$10,300
Steinschneider, Scott	CALS Biological & Environmental Engr	National Science Foundation	CAREER: CLIMATE ADAPTATION PATHWAYS IN ECO-HYDROLOGIC SYSTEMS WITH PHYSICS-INFORMED MACHINE LEARNING	141146	\$506,564
Sullivan, Patrick	CALS Natural Resources	US DOC -> National Oceanic and Atmospheric Administration (Through: SUNY -> State University of New York Stony Brook)	MORANO_PED: QUANTIFYING SPATIO-TEMPORAL RESPONSES OF MARINE ECOSYSTEMS TO CLIMATE CHANGE AND OTHER ANTHROPOGENIC HABITAT MODIFICATIONS TO FACILITATE ADAPTIVE MANAGEMENT STRATEGIES	138494	\$156,000
Wagner, KC	Worker Institute	NYS -> New York State Department of Labor	SEXUAL HARASSMENT PREVENTION PROGRAM FY22 - C21204GG	141012	\$150,000
Wagner, KC	Worker Institute	NYS -> New York State Department of Labor	DOMESTIC VIOLENCE PROGRAM [C21210GG]	142493	\$150,000
Walter, Todd	CALS Biological & Environmental Engr	MONTANA -> Montana Department of Natural Resources & Conservation	CARDD/FLATHEAD BASIN COMMISSION SEPTIC LEACHATE STUDY	141615	\$23,550
Wang, Yi	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Institute of Neurological Disorders and Stroke (Through: Weill Cornell Medicine)	QUANTITATIVE MAPPING OF SUBSTANTIA NIGRA IRON IN PARKINSON'S DISEASE	142960	\$34,165
Wiedmann, Martin	CALS Food Science	NYS -> Empire State Development	2022 DAIRY PROMOTION ORDER - DAIRY PRODUCT QUALITY AND SAFETY PROGRAM	141516	\$450,000
Wiedmann, Martin	CALS Food Science	NYS -> Empire State Development	2022 DAIRY PROMOTION ORDER - PREPARING THE NY DAIRY INDUSTRY FOR ECOMMERCE DISTRIBUTION CHANNELS	141518	\$122,900
Wiedmann, Martin	CALS Food Science	NYS -> Empire State Development	2022 DAIRY PROMOTION ORDER - TECHNOLOGY SCOUTING AND EVALUATION FOR NEW PROCESSING TECHNOLOGIES FOR NEW YORK DAIRY	141517	\$42,660