

Cornell University, Office of Sponsored Programs
Awards Received in July 2021

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Abbaspourrad, Alireza	CALS Food Science	National Science Foundation (Through: University Of Southern Mississippi)	DEVELOPING PROCESS AND PROCEDURES FOR THE REFINEMENT OF SURFCLAM AND OCEAN QUAHOG SHELLS INTO CALCIUM CARBONATE (CaCO3)	93156	\$110,950
Agrawal, Anurag	CALS Ecology & Evolutionary Biology	Society for the Study of Evolution Inc	COSTS OF RESISTANCE TO TOXINS: LINKING CONVERGENT EVOLUTION AND EXPERIMENTAL GENETICS	141037	\$2,108
Aguilar-Carreno, Hector	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	MECHANISM OF MEMBRANE INACTIVATION METHOD TO PREPARE ENVELOPED VIRUS VACCINES	138303	\$444,397
August, Avery	Microbiology and Immunology	Indo-U.S. Science and Technology Forum	DEVELOPMENT AND SCREENING OF DRUG CONJUGATED NATURAL AND SYNTHETIC NANO-BODIES (SYBODIES) TO NEUTRALIZE COVID-19 CAUSING SARS-COV-2	136155	\$6,830
Beker Aydemir, Tolunay	Nutritional Sciences	Crohn's & Colitis Foundation	STUDENT RESEARCH FELLOWSHIP AWARD	139648	\$2,500
Bellows, Laura	Nutritional Sciences	HHS -> PHS -> NIH -> NIH National Cancer Institute (Through: University of Arkansas)	SUSTAINABILITY OF EVIDENCE BASED PRACTICES FOR NUTRITION AND PHYSICAL ACTIVITY IN CHILDCARE	138110	\$90,828
Benson, Austin	Computer Science	National Science Foundation	CAREER: COMPUTATIONAL FRAMEWORKS FOR HIGHER-ORDER GRAPH AND NETWORK DATA ANALYSIS	136448	\$417,908
Bergstrom, Gary	CALS School of Integrative Plant Science	USDA -> USDA ARS -> ARS Northeast Area	INTEGRATED MANAGEMENT OF FHB AND DON IN WINTER WHEAT IN NEW YORK	91332	\$13,363
Bigler, Esta	Labor & Employment Law	NYS -> New York State Department of Labor	CRIMINAL JUSTICE AND EMPLOYMENT INITIATIVE FY21 - T2020GG	140141	\$50,000
Buck, Louise	CALS Natural Resources	Ecoagriculture Partners	LANDSCAPE OUTCOME MEASURES II	58077	\$8,699
Buckley, Daniel	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	IN SITU BACTERIAL GROWTH RATE AS A LIFE HISTORY TRAIT TO PREDICT SOIL C CYCLING	136502	\$120,000
Bunting-Howarth, Katherine	CALS Sea Grant	US DOC -> National Oceanic and Atmospheric Administration	NEW YORK SEA GRANT COVID-19 RESPONSE AND RECOVERY EFFORTS	136332	\$50,000
Casteel, Clare	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	A NOVEL SOCIO-ECOLOGICAL APPROACH FOR PROMOTING AREA-WIDE ADOPTION OF ORGANIC FARMING PRACTICES THAT ENHANCE MICROBIALLY MEDIATED PEST CONTROL	136710	\$164,999
Cerione, Richard	Molecular Medicine	HHS -> PHS -> NIH -> NIH National Cancer Institute	ELUCIDATING THE TUMOR SUPPRESSIVE EFFECTS OF THE SIRTUIN, SIRT1, IN TRIPLE-NEGATIVE BREAST CANCER	90893	\$2,064
Cowen, Edwin (Todd)	Civil & Environmental Engineering	CALIFORNIA -> California Department Of Water Resources	INFRARED REMOTE SENSING OF METRICS OF RIVER FLOW	89527	\$1
DeLisa, Matthew	Chemical & Biomolecular Engineering	HHS -> PHS -> National Institutes of Health	MOLECULAR TOOLKIT FOR HIGH CONTENT RESOLUTION OF THE SPATIOTEMPORAL GLYCOME	90306	\$198,314
Derry, Louis	Earth & Atmospheric Sciences	National Science Foundation	DEVELOPMENT OF GALLIUM-ALUMINUM RATIOS AS A TRACER OF THE CRITICAL ZONE BEHAVIOR OF AL	81094	\$31,864
Dunifon, Rachel	Bronfenbrenner Ctr for Translational Rsch	William T Grant Foundation Inc	PROTECTING VULNERABLE FAMILIES AND CHILDREN IN THE CROSSHAIRS OF THE OPIOID EPIDEMIC: A RESEARCH-PRACTICE PARTNERSHIP IN UPSTATE NY	84619	\$342,533
Erickson, David	Mechanical & Aerospace Engineering	HHS -> PHS -> National Institutes of Health (Through: USMD -> University of Maryland Baltimore)	POINT-OF-CARE DIAGNOSTIC KIT FOR MOLECULAR SUBTYPING OF BREAST CANCERS (POCBRECA STUDY)	91358	\$134,722

Escobedo, Fernando	Chemical & Biomolecular Engineering	Semiconductor Research Corporation	PHOTORESIST DESIGN THROUGH STRUCTURE MODELING	140533	\$243,000
Feschotte, Cedric	CALS Molecular Biology & Genetics	HHS -> PHS -> National Institutes of Health (Through: Weill Cornell Medicine)	REGULATORY CROSSTALK BETWEEN HUMAN ENDOGENOUS RETROVIRUSES, HIV, AND EBV, IN LYMPHOMA	136960	\$1,423,029
Feschotte, Cedric	CALS Molecular Biology & Genetics	HHS -> PHS -> National Institutes of Health	INTERROGATING ENHANCER FUNCTION AND COOPERATION BY SYSTEMATIC PERTURBATION OF TRANSPOSABLE ELEMENTS	88939	\$516
Field, Martha	Nutritional Sciences	USDA -> USDA National Institute of Food and Agriculture	DEFINING THE ROLE OF ENDOGENOUS ERYTHRITOL SYNTHESIS IN OBESITY AND DIABETES DEVELOPMENT	136835	\$180,000
Flanagan, Eanna	Cornell Lab Accelerator Sciences & Ed	National Science Foundation	GRAVITATION PHYSICS AND RELATIVISTIC ASTROPHYSICS	138013	\$480,000
Fleron, Lou	Extension Administration	NYS -> New York State Department of Labor	SERVS & EXPENSES OF CORNELL ILR IN BUFFALO FOR PROGRAMS FURTHERING HIGH ROAD ECONO PARTNERSHIPS PROMOTING CAREERS IN PUBLIC SERVICE AND CONDUCTING A STUDY OF ORGANIZED LABOR & IMPACT ON WEST. NY ECON	89558	\$42,000
Frey, Margaret	Cornell Center for Materials Research	FuzeHub Inc	MICROBIOMETER TEST CARD MANUFACTURING ENHANCEMENT	140790	\$10,000
Fuchs, Marc	CALS School of Integrative Plant Science	CALIFORNIA -> State of California Department of Food and Agriculture	GRAPEVINE FANLEAF VIRUS-HOST INTERACTIONS FOR DISEASE SYMPTOM DEVELOPMENT	138847	\$142,155
Fuchs, Marc	CALS School of Integrative Plant Science	CALIFORNIA -> State of California Department of Food and Agriculture	TRANSMISSION BIOLOGY OF GRAPEVINE RED BLOTCH VIRUS	138846	\$219,989
Hanson, Maureen	CALS Molecular Biology & Genetics	HHS -> PHS -> National Institutes of Health (Through: Florida Atlantic University)	ENDOGENOUS RETROVIRUS ANALYSES IN MYALGIC ENCEPHALOMYELITIS	136287	\$92,000
Havekes, Casey	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	EVALUATION OF CALF BARN VENTILATION AND ITS IMPACT ON CALF HEALTH, GROWTH, AND PERFORMANCE	137885	\$21,069
Heck, Michelle	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	INVESTIGATING THE ROLE OF GENETIC ARCHITECTURE AND HLB PATHOGEN INOCULUM SOURCE ON DIAPHORINA CITRI ACQUISITION AND TRANSMISSION EFFICIENCY	137003	\$180,000
Henderson, Shane	Operations Research & Information Engr	National Science Foundation	STOCHASTIC MODELING AND OPTIMIZATION TO SUPPORT EMERGENCY RESPONSE SYSTEMS	136001	\$378,915
Holden, Martha	Bronfenbrenner Ctr for Translational Rsch	HHS -> Substance Abuse and Mental Health Services Administration	CREATING TRAUMA INFORMED RESIDENTIAL SETTINGS: AN NCTSN CATEGORY II CENTER	80022	\$30,000
Hwang, James	Materials Science Engineering	DOD -> DOD US NAVY -> Office of Naval Research	D-BAND FILTERS BASED ON SI SUBSTRATE-INTEGRATED WAVEGUIDES	139503	\$75,000
Hyman, Louis	Labor Relations, Law, & History	William and Flora Hewlett Foundation	THE HISTORY OF CAPITALISM SUMMER CAMP	140785	\$29,500
Jena, Debdeep	Electrical & Computer Engineering	DOD -> DOD US NAVY -> Office of Naval Research	CRYO-RF PROBE STATION FOR SUPERCONDUCTOR/SEMICONDUCTOR ELECTRONICS	136126	\$350,000
Jiang, Shaoyi	Biomedical Engineering	National Science Foundation	BIOMIMETIC ZWITTERIONIC FUNCTIONAL MATERIALS FOR IMMUNOMODULATION	93259	\$5,000
Jiang, Shaoyi	Biomedical Engineering	National Science Foundation	ROLE OF PROTEIN CORONA IN THE FATE OF HYDROPHILIC POLYMERIC NANOPARTICLES: A FUNDAMENTAL STUDY	137818	\$5,000
Jiang, Shaoyi	Biomedical Engineering	HHS -> PHS -> National Institutes of Health	ZWITTERIONIC POLYPEPTIDE-PROTEIN CONJUGATION FOR THE SAFE AND EFFICIENT DELIVERY OF THERAPEUTIC ENZYMES	137169	\$529

Karhan, Andrew	Yang Tan Institute	United States Department of Education (Through: NYS -> New York State Education Department)	NEW CASE-NYS ACCES-VR MOU	87288	\$614,032
Lehmann, Johannes	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	MOLECULAR DIVERSITY AS A CONTROL ON SOIL ORGANIC CARBON PERSISTENCE	136862	\$119,628
Leifer, Cynthia	Microbiology and Immunology	Howard Hughes Medical Institute	MOLECULAR MECHANISMS IN CANCER EXTRACELLULAR VESICLE-INDUCED, DAMPENING OF ANTIBACTERIAL IMMUNITY, AND TUMOR PROGRESSION	138441	\$150,000
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)	89698	\$47,631
Liepe, Matthias	Cornell Lab Accelerator Sciences & Ed	United States Department of Energy (Through: Fermi National Accelerator Laboratory)	650 MHZ CAVITY HEAT TREATMENT IN UHV FURNACE FOR PIP-II	140697	\$6,300
Lin, Song	Chemistry and Chemical Biology	American Chemical Society	ACS DIVISION OF ORGANIC CHEMISTRY SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP (SURF)	140971	\$5,000
Marx, Matt	Dyson - Sponsored Activity	Alfred P Sloan Foundation	EXTENDING THE INNOVATION INFORMATION INITIATIVE	139842	\$1,444,204
Maxson, Jared	Cornell Lab Accelerator Sciences & Ed	DOE -> DOE SCIENCE -> Integrated Support Center-Chicago Office (Through: DYNASIL -> Radiation Monitoring Devices Inc)	BRIGHT ELECTRON SOURCE FOR X-RAY FREE ELECTRON LASER	138556	\$135,000
McMahon, Peter	Applied & Engineering Physics	Exxon Mobil Corporation	ESTIMATED PERFORMANCE OF ISING ANNEALING MACHINES FOR OPTIMIZATION OF PRACTICAL PROBLEMS	138028	\$100,000
Mehta, Saurabh	Nutritional Sciences	HHS -> PHS -> NIH -> NIH National Center for Advancing Translational Sciences (Through: Weill Cornell Medicine)	CYTOMEGALOVIRUS DETECTION AT THE POINT-OF-CARE	137298	\$67,890
Milner, Phillip	Chemistry and Chemical Biology	National Science Foundation	CAREER: UNLOCKING REACTIVITY-BASED SEPARATIONS OF OLEFINS USING METAL-ORGANIC FRAMEWORKS	137008	\$550,000
Moghe, Gaurav	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	LEVERAGING INTEGRATIVE OMICS ANALYSES FOR STRESS-RESPONSIVE METABOLIC PATHWAY ELUCIDATION IN BRACHYPODIUM	136695	\$160,329
Moore, Virginia	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	BREEDING ALFALFA CULTIVARS WITH HIGHER RESISTANCE TO ALFALFA SNOOT BEETLE: ON-FARM SELECTION OF SURVIVING ALFALFA PLANTS	137766	\$18,644
Mueller, Erich	Lab. of Atomic & Solid State Physics	NSF -> NSF Directorate for Mathematical and Physical Sciences	THEORETICAL AMO STUDIES FOR ENHANCED UNDERSTANDING AND CONTROL OF EMERGENT QUANTUM PHYSICS	85023	\$49,244
Nelson, Rebecca	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	IMPROVING MAIZE RESISTANCE TO FUSARIUM SEEDLING ROT BY INVESTIGATING PHYTOALEXIN DYNAMICS IN DIVERSE NEAR-ISOGENTIC LINES.	137104	\$120,000
Overton, Thomas	CALS Animal Science	Environmental Protect Agency (Through: NYS -> New York State Department of Environmental Conservation)	PRO-DAIRY INCREASES AGRICULTURAL ENGINEERING CAPACITY FOR BMP IMPLEMENTATION II	140225	\$25,000

Overton, Thomas	CALS Animal Science	USDA -> USDA National Institute of Food and Agriculture	IMPACT OF SHEEP GRAZING DENSITY ON SOIL ORGANIC CARBON, POLLINATOR HABITAT, AND VEGETATION BIODIVERSITY IN SOLAR ARRAYS	136961	\$165,000
Pass, Rafael	Tech Research	National Science Foundation (Through: Carnegie Mellon University)	SATC: CORE: MEDIUM: COLLABORATIVE: RETHINKING ACCESS PATTERN PRIVACY: FROM THEORY TO PRACTICE	139458	\$100,000
Peck, Mason	Mechanical & Aerospace Engineering	National Aeronautics and Space Administration	SPACE GRANT COLLEGE AND FELLOWSHIP PROGRAM, 2020-2024	90830	\$345,000
Richardson, Ruth	Civil & Environmental Engineering	National Science Foundation	PFI-TT: BRINGING OPEN SOURCE INNOVATION AND RESILIENT HYDRAULIC DESIGNS TO MUNICIPAL DRINKING WATER TREATMENT INFRASTRUCTURE	89100	\$14,400
Ristenpart, Thomas	Tech Research	National Science Foundation	COLLABORATIVE RESEARCH: SATC: CORE: MEDIUM: MIXED DISTRIBUTION MODELS FOR ENCRYPTED DATA STORES	137187	\$666,666
Robbins, Kelly	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	LEVERAGING EVOLUTION TO TARGET GENETIC LOAD IN THE CLONALLY PROPAGATED CROP CASSAVA	137019	\$120,000
Savransky, Dmitry	Mechanical & Aerospace Engineering	National Aeronautics and Space Administration (Through: The Board of Trustees of the Leland Stanford Junior University)	CHARACTERIZING EXTRASOLAR PLANETARY SYSTEMS WITH THE WFIRST CORONAGRAPH	77923	\$47,631
Shaw, Kerry	Neurobiology and Behavior	Society for the Study of Evolution Inc	ASSORTATIVE MATING AND REPRODUCTIVE ISOLATION IN A HYBRID ZONE	140960	\$2,500
Stanyard, Mike	CALS Cornell Cooperative Extension	New York Corn and Soybean Growers Association Inc (Through: New York Farm Viability Institute Inc)	PLANT SAP ANALYSIS: A CROP DIAGNOSTIC TOOL FOR NUTRIENT MANAGEMENT	139139	\$10,643
Tiffany, Jennifer	Bronfenbrenner Ctr for Translational Rsch	USDA -> USDA National Institute of Food and Agriculture (Through: eXtension Foundation)	NY CCE HYPERLOCAL ACTIVITIES TO PROMOTE VACCINATION CONFIDENCE	140169	\$199,998
Tiffany, Jennifer	NYC - Cooperative Extension	USDA -> USDA Food and Nutrition Service (Through: NYS -> New York State Department of Agriculture and Markets)	FARMERS' MARKET ALLIANCE NYC 2020-2021	137331	\$10,000
Tumbar, Tudorita	Molecular Biology and Genetics	HHS -> PHS -> NIH -> NIH National Institute of Arthritis and Musculoskeletal and Skin Diseases	DEFINING THE HETEROGENEITY OF CELL LINEAGES IN THE INTER-FOLLICULAR EPIDERMIS	80586	\$24,505
Vladimirsky, Alexander	Mathematics	National Science Foundation	OPTIMALITY AND ROBUSTNESS IN PIECEWISE-DETERMINISTIC SYSTEMS	138286	\$466,802
Wagner, KC	Worker Institute	NYS -> New York State Department of Labor	SEXUAL HARASSMENT PREVENTION PROGRAM - C20204GG	140224	\$150,000
Wagner, KC	Worker Institute	NYS -> New York State Department of Labor	DOMESTIC VIOLENCE PROGRAM [C20210GG]	140223	\$150,000
Wang, Yadong	Biomedical Engineering	DOD -> DOD United States Army (Through: DOD -> DOD ARMY -> U.S. Army Medical Research Acquisition Activity)	COACERVATES FOR LOCALIZED AND SUSTAINED DELIVERY OF IMMUNOMODULATORS TO PREVENT ISLET ALLOGRAFT REJECTION	137229	\$931,667
Welsch, Benoit	Earth & Atmospheric Sciences	National Science Foundation	EXPERIMENTAL STUDY OF CLINOPYROXENE GROWTH AND SECTOR ZONING	139249	\$264,817

Yang, Rong	Chemical & Biomolecular Engineering	USDA -> USDA National Institute of Food and Agriculture	IMPROVING STABILITY AND ACTIVITY OF COVALENTLY IMMOBILIZED ENZYMES VIA NANOENGINEERED MICROENVIRONMENTS FOR FOOD WASTE VALORIZATION	137084	\$164,072
Yu, Qiuming	Chemical & Biomolecular Engineering	National Science Foundation	MATERIALS AND INTERFACE ENGINEERING FOR HIGHLY EFFICIENT AND STABLE 2D/3D TIN PSEUDO HALOGEN PEROVSKITE SOLAR CELLS	137469	\$6,500
Zhang, K. Max	Mechanical & Aerospace Engineering	National Science Foundation	TOWARD A STATEWIDE PUBLIC INTERNET OF THINGS (IOT) NETWORK	91115	\$16,000