

**Cornell University, Office of Sponsored Programs  
Awards Received in February 2023**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Project Title</b>	<b>OSP#</b>	<b>Amount</b>
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	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases (Through: University of Chicago)	PREDICTING AND PREVENTING BAT VIRUS ZOOZOSES THROUGH RESERVOIR HOST INTERVENTIONS IN A MADAGASCAR ECOSYSTEM	142072	\$157,000
Allred, Shorna	CALS Natural Resources	USDA -> USDA US Forest Service (Through: Khuba International)	BIPOC FOREST OWNER NETWORK BUILDING	145805	\$6,000
Barker, Sara	CALS Lab of O - Ctr Avian Studies	Sarah K. DeCoizart Perpetual Charitable Trust	AMPLIFYING AND GROWING BIRD CONSERVATION PARTNERSHIPS WITH NORTHEAST PRIVATE LAND NETWORKS	147369	\$136,150
Beary, Patrick	Atkinson Center for a Sustainable Future	Ernst and Young Global Limited	EY-CORNELL BETTER WORKING WORLD PARTNERSHIP - PHASED PARTNERSHIP PROPOSAL	147059	\$300,001
Buchon, Nicolas	CALS Entomology	Biotechnology And Biological Science Research Council (Through: University Of Glasgow)	MOSAICS, A MOSQUITO ARBOVIRUS OMICS ATLAS TO UNRAVEL MOSQUITO-ARBOVIRUS INTERACTIONS	148505	\$29,350
Cheyre Forestier, Cristobal	Information Science	NSF -> NSF Directorate for Computer and Information Science and Engineering	SATC: CORE: MEDIUM: COLLABORATIVE: UNDERSTANDING THE IMPACT OF PRIVACY INTERVENTIONS ON THE ONLINE PUBLISHING ECOSYSTEM	142443	\$300,000
Chowdhury, Debanjan	Lab. of Atomic & Solid State Physics	NSF -> NSF Directorate for Mathematical and Physical Sciences	CAREER: THEORIES OF GAPLESS QUANTUM MATTER BEYOND QUASIPARTICLES	145795	\$607,668
Coates, Geoffrey	Chemistry and Chemical Biology	United States Department of Energy (Through: Intermix Performance Materials Inc)	EFFICIENT COMPATIBILIZATION OF ISOTACTIC POLYPROPYLENE (IPP) AND HIGH-DENSITY POLYETHYLENE (HDPE) BLENDS	144607	\$336,976
Coates, Geoffrey	Chemistry and Chemical Biology	National Science Foundation (Through: Intermix Performance Materials Inc)	STTR PHASE I: ADVANCED COMPATIBILIZATION FOR MIXED PLASTIC RECYCLING	145908	\$76,800
Cohen, Paula	Biomedical Sciences	HHS -> PHS -> National Institutes of Health (Through: HHS -> PHS -> NIH -> NIH Eunice Kennedy Shriver National Institute of Child Health and Human Development)	SLX4 AS A MEDIATOR OF CROSSOVER PATHWAY DECISIONS IN MAMMALIAN MEIOSIS	86708	\$38,074
Creighton, Cathy	Extension Administration	NYS -> New York State Office of Children and Family Services	FY23 CORNELL UNIVERSITY ILR BUFFALO CO-LAB [C029503]	147500	\$150,000
De Vlaminc, Iwijn	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	CELL-FREE DNA AS A VERSATILE ANALYTE FOR THE MONITORING OF SEPSIS	145739	\$447,484
De Vlaminc, Iwijn	Biomedical Engineering	HHS -> PHS -> National Institutes of Health (Through: UCAL -> The Regents of the University of California on behalf of its San Francisco Campus)	DISCOVERY AND CLINICAL VALIDATION OF HOST BIOMARKERS OF DISEASE SEVERITY AND MULTISYSTEM INFLAMMATORY SYNDROME IN CHILDREN (MIS-C) WITH COVID-19 - NEXT PHASE	146758	\$639,425

Detmer, Thomas	CALS Natural Resources	Hillman Family Foundations	CHARACTERIZING SENSITIVITY OF BROOK TROUT PHENOLOGY TO CLIMATE CHANGE	147276	\$25,000
Diamesis, Pete	Civil & Environmental Engineering	DOD -> DOD US NAVY -> Office of Naval Research	STRATIFIED TURBULENT WAKES: THE STRONGLY STRATIFIED REGIME AT VERY HIGH REYNOLDS NUMBERS AND MACHINE-LEARNING-BASED ANALYSIS OF INTERNAL WAVE RADIATION	147421	\$591,624
Eiseman, Danielle	Public Policy	Park Foundation Inc	FOSTERING COMMUNITY DISCUSSION ABOUT CLIMATE WITH LAYERS OF ICE CREAM	147701	\$10,000
El-Ghazaly, Amal	Electrical & Computer Engineering	National Science Foundation	CAREER: HARNESSING FERRI- AND ANTIFERRO-MAGNETISM FOR RECONFIGURABLE WIRELESS TRANSCIEVERS	145561	\$550,000
Fallon, Kathleen	CALS Sea Grant	NYS -> New York State Department of Environmental Conservation (Through: SUNY -> SUNYRF -> The Research Foundation for the State University of New York Stony Brook)	PEP-NYS 2022	145433	\$40,290
Ferrari, Silvia	Mechanical & Aerospace Engineering	IMA Industria Macchine Automatiche SpA	AUTONOMOUS ROBOT MANIPULATION AND PERCEPTION FOR REAL-TIME INTELLIGENT PACKING OPERATIONS	147655	\$252,408
Ferrari, Silvia	Mechanical & Aerospace Engineering	DOD -> DOD US AF -> Air Force Office of Scientific Research (Through: Georgia Tech Research Corporation)	FLAP: FAST, LEXICOGRAPHIC AGILE PERCEPTION INTEGRATES DECISION AND CONTROL IN A SPIKE-RESOLVED, SENSORIMOTOR PROGRAM	141329	\$997,105
Frey, Margaret	Fiber Science and Apparel Design	Cotton Incorporated	BIODEGRADATION OF DENIM	144358	\$29,266
Gadikota, Greeshma	Civil & Environmental Engineering	DOD -> DOD ARMY -> US ARL -> US Army Research Office	ECP: ELUCIDATING THE STRUCTURAL EVOLUTION OF HYDROCARBON CONTAMINANTS AND WATER ON FREEZING IN HYDROPHOBIC AND HYDROPHILIC SILICEOUS NANOPORES. ENVIRONMENTAL CHEMISTRY	141215	\$17,826
Halpern, Joe	Computer Science	The Algorand Foundation Ltd (Through: Purdue University)	MEGA-ACE: MULTIDISCIPLINARY EDUCATIONAL GLOBAL ALLIANCE FOR ALGORAND CENTER OF EXCELLENCE	142670	\$482,249
Hayes, Alexander	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: NASA -> Jet Propulsion Laboratory)	GEOLOGICAL MAPPING OF JEZERO CRATER, MARS WITH THE INGENUITY HELICOPTER	144226	\$35,000
Herrero Acosta, Mario	CALS Global Development	Tiller Global LLC	BENCHMARKING FOOD SYSTEMS: WHAT IS THE WAY FORWARD?	151780	\$20,000
Hoddinott, John	CALS Nutritional Sciences	National Science Foundation	DOCTORAL DISSERTATION RESEARCH IN ECONOMICS: MEASURING THE ELASTICITY OF NUTRITION AMONG MOTHERS OF YOUNG CHILDREN	145677	\$25,000
Hunter, Michael	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	COMPARISON OF ENLIST CORN AND SOYBEAN WEED CONTROL PROGRAMS	147312	\$2,095
Kahlke, Craig	CALS Cornell Cooperative Extension	HHS -> PHS -> US Food and Drug Administration (Through: NYS -> New York State Department of Agriculture and Markets)	2022-2023 ON-FARM READINESS REVIEW (OFRR)	146500	\$19,500

Ketterings, Quirine	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	WHOLE-FARM NITROGEN MASS BALANCES AND N2O EMISSIONS; WIN-WIN?	147358	\$35,400
Ketterings, Quirine	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	YEAR 2: SATELLITE-DERIVED YIELD CLASSIFICATION MAPS AND YIELD STABILITY ZONES FOR MANAGEMENT	147393	\$30,090
Koch, Donald	Chemical & Biomolecular Engineering	National Aeronautics and Space Administration	DYNAMIC RESPONSE OF PARTICLE-FILLED POLYMERIC FLUIDS IN FLOWS WITH COMPLEX LAGRANGIAN TIME HISTORIES	142868	\$200,000
Kreps, Sarah	Government	Charles Koch Foundation	DETECTING DISASTER: STABILITY AND INSTABILITY IN CONTEMPORARY NUCLEAR POLITICS	149123	\$40,000
Li, Sijin	Chemical & Biomolecular Engineering	HHS -> PHS -> National Institutes of Health	SIMULTANEOUS TREATMENT OF VIRAL AND BACTERIAL OTITIS MEDIA USING PLANT NATURAL PRODUCTS	92472	\$14,664
Li, Xin	Library Materials	NYS -> NYSED -> New York State Library	CCDA - ENDOWED	144441	\$22,637
Li, Xin	Library Materials	NYS -> NYSED -> New York State Library	CCDA - CONTRACT COLLEGE	144442	\$13,610
Lighthall, Shari	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	FUTURE FARMERS OF AMERICA (2022-2023)	143969	\$1,000,000
Lighthall, Shari	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	AGRICULTURE IN THE CLASSROOM (2022-2023)	143968	\$500,000
Martin, Nicole	CALS Food Science	NYS -> Empire State Development	DAIRY PROCESSING WORKFORCE ENGAGEMENT INITIATIVE	147614	\$400,742
Martinez, Jessica	Johnson Art Museum	NYS -> New York State Council on the Arts	NYSCA FY2023: SUPPORT FOR ORGANIZATIONS (MUSEUM)	145615	\$80,000
Martinez, Jose	Electrical & Computer Engineering	National Science Foundation (Through: Syracuse University)	UPSTATE LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION	81869	\$56,000
Mazourek, Michael	CALS School of Integrative Plant Science	Plennegy LTD	VIRUS SYMPTOM SCREENING FOR STARKE AYRES	148847	\$19,444
McDonald, Andrew	CALS School of Integrative Plant Science	International Rice Research Institute	IRRI-JOINT APPOINTMENT AGREEMENT -POST DOCTORAL ASSOCIATE	147776	\$112,300
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)	CEREAL RYE COVER CROPS FOR NORTHERN NEW YORK	147391	\$22,981
Nair, Sriramya	Civil & Environmental Engineering	DOE -> DOE National Nuclear Security Administration (Through: Lawrence Livermore National Laboratory)	CONCRETE ASSISTED BY PARTICLES SEALED UNDER LARGE-SCALE ENCAPSULATION (CAPSULE)	145110	\$589,384
Nicholson, Phil	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration	VERTICAL STRUCTURES IN SATURNS RINGS.	145678	\$619,197
Niederdepppe, Jeff	CALS Communication	NSF -> NSF Directorate for Social, Behavioral and Economic Sciences	DDRIG IN DRMS: COMMUNICATING CONTROVERSIAL RISK ISSUES - EFFECTS OF INOCULATION MESSAGES ON SELECTIVE EXPOSURE TO COUNTERATTITUDINAL MESSAGES AND SUBSEQUENT PERSUASIVE OUTCOMES	141952	\$30,168

O'Neil, Kitty	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	IS SOIL COMPACTION A DRIVER OF YIELD? CONTINUED	147330	\$5,519
Odoms-Young, Angela	Nutritional Sciences	USDA -> USDA Agricultural Marketing Service (Through: NYS -> New York State Department of Agriculture and Markets)	FARMERS' MARKET NUTRITION PROGRAM CORNELL COOPERATIVE EXTENSION OUTREACH (2022 - 2023)	144445	\$100,000
Prieto, Jennifer	Clinical Sciences	Universal Biosensors	METHOD COMPARISON VALIDATION STUDY FOR BLOOD GLUCOSE MEASURED BY THE PETRACKR PORTABLE GLUCOSE METER AND REFERENCE LABORATORY CHEMISTRY ANALYZER	146345	\$16,425
Reed, Patrick	Civil & Environmental Engineering	United States Department of Energy (Through: Pacific Northwest National Laboratory)	INTEGRATED MULTISECTOR, MULTISCALE MODELING (IM3) SCIENTIFIC FOCUS AREA	92069	\$150,000
Reesink, Heidi	Clinical Sciences	DOD -> DOD ARMY -> U.S. Army Medical Research Acquisition Activity (Through: Baylor College of Medicine)	COMBINATORIAL HELPER-DEPENDENT ADENOVIRAL GENE THERAPY FOR POST-TRAUMATIC OSTEOARTHRITIS	143148	\$1,606,068
Reid, Matthew	Civil & Environmental Engineering	National Science Foundation	CAREER: UNLOCKING RECALCITRANT CARBON TO ENHANCE DENITRIFICATION OF NONPOINT SOURCE NITROGEN IN WOODCHIP BIOREACTORS	145340	\$546,246
Riedl, Rachel	Einaudi Center for Intl Studies	Carnegie Corporation of New York (Through: UCAL -> The Regents of the University of California on behalf of its Riverside Campus)	BRIDGING GAPS IN KNOWLEDGE ABOUT AFRICA THROUGH THE UFAHAMU AFRICA PODCAST	142850	\$77,374
Rudd, Brian	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	DEVELOPMENTAL LAYERS OF CD8+ T CELLS IN THE LYMPH NODE	145492	\$430,203
Ruiz Gutierrez, Viviana	CALS Lab of O - Ctr Avian Studies	NESTLE -> Nestle Nespresso SA	OUR COFFEE OUR BIRDS 2022	145925	\$155,530
Ryan, Molly	Performing and Media Arts	NYS -> New York State Council on the Arts	NYS CA FY2023: SUPPORT FOR ORGANIZATIONS (CORNELL CINEMA)	145401	\$25,000
Samuelian, Michael	JTC Operations	Bloomberg Philanthropies Support LLC (Through: Results for America)	TECH & INNOVATION SERIES	150900	\$400,000
Schryver, Tom	Center for Regional Economic Advancement	US DOC -> United States Economic Development Administration (Through: Launch NY)	LAUNCH NEW YORK BUILD TO SCALE	147296	\$69,000
Scott, Rob	Cornell Prison Education Program	Ascendium Education Philanthropy	2021.08.04-ASCENDIUM-ROBSCOTT-VPELGA	141233	\$750,000
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	\$21,705
Stache, Erin	Chemistry and Chemical Biology	National Science Foundation	CAREER: COPOLYMERIZATION OF VINYL MONOMERS WITH ISOCYANIDES FOR DEGRADABLE POLYMERS	145533	\$750,000
Tardos, Eva	Computer Science	DOD -> DOD US AF -> Air Force Office of Scientific Research	PSEUDO-MARKETS FOR PUBLIC RESOURCE ALLOCATION	147071	\$900,000
Trottier, Nathalie	CALS Animal Science	ElleVet Sciences	PHARMACOKINETICS OF CBD AND CBDA ISOLATES VS FULL-SPECTRUM CBD AND CBDA IN DOGS	147454	\$22,150

Wiedmann, Martin	CALS Food Science	Perdue Farms (Through: UIILL -> University of Illinois at Urbana-Champaign)	SIMULATION AND MODELLING TO RATIONALLY TARGET SALMONELLA CONTROL STRATEGIES IN PROCESSING PLANTS	145351	\$35,000
Wild, Adam	CALS Natural Resources	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	SHRINKING MAPLE TAP HOLE SIZE TO INCREASE TREE HEALTH	147509	\$19,323
Wilde, Mark	Electrical & Computer Engineering	National Science Foundation	QUANTIFYING AND OPTIMIZING THE PERFORMANCE OF CONTINUOUS-VARIABLE QUANTUM LOGIC OPERATIONS	144780	\$253,156
Wilde, Mark	Electrical & Computer Engineering	National Science Foundation	CIF: SMALL: RESOURCE THEORIES OF QUANTUM CHANNELS	145955	\$283,041
Xu, Kenong	CALS School of Integrative Plant Science	Okanagan Biotechnology Inc.	FIELD TRIAL ACTIVITIES	47057	\$14,506
Yang, Qian	Information Science	Schmidt Futures	HARNESSING GENERATIVE AI TO EMPOWER HUMAN THINKING	147462	\$294,285
Zhang, Wendong	Dyson - Sponsored Activity	IASTATE -> Iowa Nutrient Research Center (Through: Iowa State University of Science and Technology)	SPATIALLY DELINEATED CARBON CREDIT POTENTIAL AND IMPLIED NUTRIENT REDUCTION CO-BENEFIT: AN ASSESSMENT WITH INTEGRATED ECOLOGICAL AND ECONOMIC MODELING FRAMEWORK	146225	\$2,815
Zhang, Wendong	Dyson - Sponsored Activity	IASTATE -> Iowa Nutrient Research Center (Through: Iowa State University of Science and Technology)	THE EFFECTIVENESS OF CARBON CREDIT PROGRAMS AT REDUCING NUTRIENT LOSSES: AN ASSESSMENT OF PUBLIC AND PRIVATE CONSERVATION PROGRAMS AND THEIR INTERACTIONS	146037	\$7,290