

**Cornell University, Office of Sponsored Programs
Awards Received in November 2021**

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Abbaspourrad, Alireza	CALS Food Science	Coca-Cola Company	DECODING THE PERCEPTION MECHANISM OF LOW-CALORIE SWEETENERS: DIFFUSION COEFFICIENT MEASUREMENT (PHASE I)	142110	\$195,000
Abbaspourrad, Alireza	CALS Food Science	The Good Food Institute	IMPROVING PLANT PROTEIN FUNCTIONALITY BY GERMINATION AND ULTRAFILTRATION: A CASE STUDY ON HEMP SEED PROTEIN	139742	\$50,000
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	\$133,975
Ahmann, Chloe	Anthropology	Wenner-Gren Foundation for Anthropological Research Inc	FUTURES AFTER PROGRESS: LIVING WITH DOUBT IN LATE INDUSTRIAL BALTIMORE	142582	\$40,000
August, Avery	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	REGULATION OF IL10 PRODUCTION IN CD8+ T CELLS DURING FLU INFECTION BY TYROSINE KINASE ITK	85698	\$143,092
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	\$5,900
Barrett, Chris	Dyson - Sponsored Activity	UN -> Food and Agriculture Organization of the United Nations	A SCOPING STUDY FOR THE DEVELOPMENT OF AN ANNUAL AGRICULTURE SYSTEM TECHNOLOGIES AND INNOVATIONS OUTLOOK (ATIO)	142263	\$69,575
Bates, Terry	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	COST EFFECTIVE SPATIAL DATA VISUALIZATION AND DECISION SUPPORT FOR SMALL AND MEDIUM-SIZED VINEYARDS	140783	\$646,922
Bihn, Elizabeth	CALS Food Science	USDA -> USDA National Institute of Food and Agriculture (Through: University of Vermont)	NORTHEAST CENTER TO ADVANCE FOOD SAFETY (NECAFS)	139464	\$49,744
Bunker, Jane	CU Press	National Endowment for the Humanities	OPEN ACCESS EDITION OF THE WORLD REFUGEES MADE: DECOLONIZATION AND THE FOUNDATION OF POSTWAR ITALY BY PAMELA BALLINGER	140999	\$5,500
Bunker, Jane	CU Press	National Endowment for the Humanities	OPEN ACCESS EDITION OF THE MEDIEVAL ECONOMY OF SALVATION: CHARITY, COMMERCE, AND THE RISE OF THE HOSPITAL BY ADAM J. DAVIS	141002	\$5,500
Bunker, Jane	CU Press	National Endowment for the Humanities	OPEN ACCESS EDITION OF GATEWAY IMPERIALISM: COLONIAL TAIWAN AND JAPANESE EXPANSION IN SOUTH CHINA AND SOUTHEAST ASIA, 1895-1945 BY SEIJI SHIRANE	141017	\$5,500
Bunker, Jane	CU Press	National Endowment for the Humanities	OPEN ACCESS EDITION OF LIFE IS ELSEWHERE: SYMBOLIC GEOGRAPHY IN THE RUSSIAN PROVINCES, 1800-1917 BY ANNE LOUNSBERY	141008	\$5,500
Bunker, Jane	CU Press	National Endowment for the Humanities	OPEN ACCESS EDITION OF HAUNTED EMPIRE: GOTHIC AND THE RUSSIAN IMPERIAL UNCANNY BY VALERIA SOBOL	141019	\$5,500
Bunker, Jane	CU Press	National Endowment for the Humanities	OPEN ACCESS EDITION OF UNFELT: THE LANGUAGE OF AFFECT IN THE BRITISH ENLIGHTENMENT BY JAMES NOGGLE	141015	\$5,500

Bunting-Howarth, Katherine	CALS Sea Grant	Environmental Protect Agency	LONG ISLAND SOUND STUDY (LISS) NEW YORK CITY/WESTERN BASIN PUBLIC OUTREACH PROGRAM	140513	\$999,535
Castelhana, Marta	Clinical Sciences	HHS -> PHS -> National Institutes of Health (Through: University of Washington)	DEVELOPING THE PRIVATELY OWNED COMPANION DOG AS A MODEL FOR ALZHEIMER'S DISEASE	137605	\$633,690
Cheetham, Jonathan	Clinical Sciences	Renerva LLC	TESTING OF RENERVA PERIPHERAL NERVE MATRIX GRAFT (PNM-G)	140674	\$17,545
Coffman, Ronnie	CALS Global Development	United States Department of State (Through: Institute Of International Education Inc)	HUBERT H HUMPHREY FELLOWS PROGRAM 2020 - 2021	136786	\$34,798
Danforth, Bryan	CALS Entomology	DOD -> DOD United States Army (Through: SUNY -> SUNYRF -> The Research Foundation for the State University of New York College of Environmental Science and Forestry)	POLLINATOR SURVEY AT FORT DRUM	141999	\$18,409
Daniel, Susan	Chemical & Biomolecular Engineering	National Science Foundation (Through: American Chemical Society)	EZRA'S BRIDGE: A TRANSITIONAL MS PROGRAM THAT CONNECTS THE BS AND PHD DEGREE	137913	\$180,000
Delco, Michelle	Clinical Sciences	EndoCellutions Inc	ENDOCELLUTIONS EX VIVO STUDY AND IN VIVO PILOT	141335	\$118,822
Detmer, Thomas	CALS Natural Resources	Hillman Family Foundations	CHARACTERIZING SENSITIVITY OF BROOK TROUT PHENOLOGY TO CLIMATE CHANGE	141832	\$30,000
DiStasio, Robert	Chemistry and Chemical Biology	National Science Foundation (Through: Regents of the University of Minnesota)	NSF CENTER FOR SUSTAINABLE POLYMERS	92904	\$33,869
Doyle, Jeffrey	CALS School of Integrative Plant Science	National Science Foundation (Through: UNIV NE -> Board of Regents University of Nebraska Lincoln)	SINGLE-CELL ANALYSIS OF THE DYNAMICS AND EVOLUTION OF GENE EXPRESSION IN LEGUMES	138221	\$91,368
Escobedo, Fernando	Chemical & Biomolecular Engineering	National Science Foundation (Through: Virginia Polytechnic Institute and State University)	MOLSSI SOFTWARE FELLOWSHIP - ISABELA QUINTELA MATOS	141306	\$29,256
Ferrari, Silvia	Mechanical & Aerospace Engineering	Leonardo DRS	AI-ENABLED TACTICAL ROUTE PLANNING	141077	\$85,000
Ferrari, Silvia	Mechanical & Aerospace Engineering	Lockheed Martin Corporation	ROBOT-HUMAN TEAMING IN COMPLEX AND ADVERSE ENVIRONMENTS	142094	\$225,000
Feschotte, Cedric	CALS Molecular Biology & Genetics	HHS -> PHS -> National Institutes of Health (Through: The J David Gladstone Institutes)	HOPE - HIV OBSTRUCTION BY PROGRAMMED EPIGENETICS	138160	\$1,483,715
Finkelstein, Julia	Nutritional Sciences	HHS -> PHS -> Centers for Disease Control and Prevention (Through: University of South Carolina)	COORDINATING CENTER FOR RESEARCH TO PROMOTE THE HEALTH OF CHILDREN WITH BIRTH DEFECTS AND PEOPLE WITH DEVELOPMENTAL AND OTHER DISABILITIES	86613	\$250,000
Fortier, Lisa	Clinical Sciences	HHS -> PHS -> NIH -> NIH National Institute of Arthritis and Musculoskeletal and Skin Diseases	MITOCHONDRIAL DYSFUNCTION AS A LINK BETWEEN CARTILAGE INJURY AND OSTEOARTHRITIS	77386	\$14,023
Fowell, Deborah	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH Office of the Director, National Institutes of Health (Through: University of Rochester)	TISSUE REGULATION OF T CELL FUNCTION / URF AWD00003109	137499	\$651,144

Gazel, Esteban	Earth & Atmospheric Sciences	National Aeronautics and Space Administration	RECONSTRUCTING THE MELT COMPOSITION AND VOLATILE RECORD OF CHASSIGNITE NWA 2737	138814	\$559,322
Gomez, Miguel	Dyson - Sponsored Activity	UN -> Food and Agriculture Organization of the United Nations	DATABASE METHODOLOGY AND SYNTAX TO COMPUTE FOOD VALUE SHARES ACCRUING TO DIFFERENT PARTS OF AGRI-FOOD SYSTEMS	141998	\$99,462
Goodale, Christine	Ecology and Evolutionary Biology	USDA -> USDA National Institute of Food and Agriculture	NUTRIENT V. ACIDIFICATION? EFFECTS OF NITROGEN AVAILABILITY ON DECOMPOSITION AND SOIL CARBON STORAGE	140551	\$749,999
Grodsky, Steven	CALS Natural Resources	DOI -> United States Geological Survey	INFORMING SOLAR ENERGY DEVELOPMENT PRACTICES CONDUCIVE TO DESERT ECOSYSTEM CONSERVATION AND MANAGEMENT	140699	\$902,892
Hammer, David	Electrical & Computer Engineering	DOE -> DOE National Nuclear Security Administration	X-RAY SPECTROSCOPIC STUDIES OF RADIATIVE COLLAPSE IN X-PINCH PLASMAS	138795	\$600,000
Haynes, Martha	Center Astrophysics-Planetary Science	The Brinson Foundation	TITLE: "FIREWORKS, FEEDBACK AND RECYCLING IN GAS-RICH GALAXIES"	141075	\$50,000
Herrero Acosta, Mario	CALS Global Development	Bill and Melinda Gates Foundation	WILD FUTURES INV-030227	141738	\$509,021
Hysell, David	Earth & Atmospheric Sciences	National Aeronautics and Space Administration	ASSESSING EQUATORIAL IONOSPHERIC STABILITY WITH ICON	139593	\$381,543
Jiang, Yu	CALS School of Integrative Plant Science	USDA -> USDA ARS -> ARS Northeast Area	EXPLAINABLE DEEP-LEARNING BASED IMAGE ANALYSIS WITH BLACKBIRD RGB IMAGING ROBOT FOR LABORATORY HIGH THROUGHPUT PHENOTYPING	141381	\$96,899
Ju, Wendy	JTC Research	Nissan Motor Co. Ltd.	SOCIAL INTELLIGENCE IN THE AUTOMOBILE	141292	\$95,000
Kizilcec, Rene	Information Science	Jacobs Foundation	JACOBS FOUNDATION RESEARCH FELLOWSHIP	142525	\$176,941
Klinck, Holger	CALS Lab of O - K. Lisa Yang Center	EXCELERATE -> Northeast Gateway Energy Bridge, LLC	NORTHEAST GATEWAY DEEPWATER PORT NORTHERN RIGHT WHALE MONITORING AND MITIGATION PLANNING	52965	\$808,965
Knoblauch, Wayne	Dyson - Sponsored Activity	NYS -> New York State Office of Mental Health	NEW YORK FARMNET MENTAL HEALTH OUTREACH TO FARMERS (2020 - 2021)	136390	\$400,000
Krishnamurthy, Vikram	Electrical & Computer Engineering	DOD -> DOD US AF -> Air Force Office of Scientific Research	INVERSE COGNITIVE RADAR AND ADVERSARIAL INFERENCE	137055	\$299,928
Lifka, David	Center for Advanced Computing	NSF -> NSF Directorate for Computer and Information Science and Engineering (Through: UTS -> The University of Texas at Austin)	STAMPEDE 2: THE NEXT GENERATION OF PETASCALE COMPUTING FOR SCIENCE AND ENGINEERING	79847	\$250,000
Lin, Hening	Chemistry and Chemical Biology	HHS -> PHS -> National Institutes of Health (Through: University of Chicago)	HISTONE LACTYLATION PATHWAY IN HAIR CYCLE: DEACYLASES AND THEIR PROTEIN TARGETS	92696	\$619,479
McArt, Jessica	Population Medicine & Diagnostic Science	CH Boehringer -> BOEH INGEL -> Merial Limited	DO DIFFERENT TYPES AND TIMES OF POSTPARTUM CALCIUM SUPPLEMENTATION INTERFERE OR SUPPORT CALCIUM HOMEOSTASIS IN DAIRY COWS?	141142	\$124,471
McIntyre, Peter	CALS Natural Resources	Great Lakes Fishery Commission	EFFECTS OF RESTORING ENERGY AND NUTRIENT DYNAMICS ON FISHERY PRODUCTION IN THE BOARDMAN RIVER, MICHIGAN	139371	\$98,131
McMahon, Peter	Applied & Engineering Physics	The David and Lucile Packard Foundation	2021 PACKARD FELLOWSHIP	142298	\$875,000

Miller, Matthew	Mechanical & Aerospace Engineering	United States Department of Energy (Through: UCAL -> The Regents of the University of California on behalf of its Santa Barbara Campus)	THE ROLE OF SUBGRAIN HETEROGENEOUS PROCESSES IN SLIP LOCALIZATION IN POLYCRYSTALLINE METALS DURING CYCLIC PLASTICITY	139087	\$300,000
Moore, Virginia	CALS School of Integrative Plant Science	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)	FOSTERING RESILIENCE AND ECOSYSTEM SERVICES IN LANDSCAPES BY INTEGRATING DIVERSE PERENNIAL CIRCULAR SYSTEMS	139391	\$169,993
Moridi, Atieh	Mechanical & Aerospace Engineering	National Aeronautics and Space Administration	DESIGN OF METASTABLE HIGH ENTROPY ALLOYS FOR ADDITIVE MANUFACTURING (STUDENT: AKANE WAKAI)	91753	\$80,000
Moroni, Paolo	Population Medicine & Diagnostic Science	Safeguard Biosystems Holdings Ltd	MICROARRAY DEVELOPMENT	70320	\$101,720
Nissenbaum, Helen	Tech Research	National Science Foundation (Through: Computing Research Association Inc)	PARK COMPUTING INNOVATION FELLOWSHIP	141230	\$281,588
Nowack, Katja	Lab. of Atomic & Solid State Physics	DOD -> DOD US AF -> Air Force Office of Scientific Research (Through: The President and Fellows of Harvard College)	TUNNELING PHENOMENA IN INTERFACE SUPERCONDUCTORS	137313	\$2,445,000
Nozick, Linda	Civil & Environmental Engineering	United States Department of Energy (Through: Sandia National Laboratories)	MATHEMATICAL ANALYSIS IN SUPPORT FOR ORCA	142217	\$500,000
Pei, Zhuan	Policy Analysis and Management	William T Grant Foundation Inc	EFFECTS OF WORK AND FINANCIAL ASSISTANCE POLICIES ON CHILD OUTCOMES: LONG-TERM EVIDENCE FROM WELFARE REFORM EXPERIMENTS	141181	\$544,312
Pingali, Prabhu	CALS Global Development	Sequoia Climate Fund	TOWARDS A ZERO HUNGER - ZERO CARBON FOOD SYSTEM FOR BIHAR, INDIA	141310	\$800,000
Rahm, Brian	CALS Biological & Environmental Engr	DOI -> United States Geological Survey	CONNECTING SYSTEM PROCESS AND SYSTEM EVOLUTION MODELS TO ASSESS WATER RESOURCE VULNERABILITY TO DROUGHT	141001	\$330,000
Rahm, Brian	CALS Biological & Environmental Engr	DOI -> United States Geological Survey	104B STATE WATER RESOURCES RESEARCH INSTITUTE PROGRAM (FY2021)	140504	\$125,000
Ralph, Dan	Lab. of Atomic & Solid State Physics	NSF -> NSF Directorate for Mathematical and Physical Sciences	UNCOVERING THE MISSING PHYSICS IN THE METROLOGY OF SPIN-ORBIT TORQUES	137752	\$513,672
Reesink, Heidi	Clinical Sciences	Hong Kong Jockey Club Equine Welfare Research Foundation	INVESTIGATION OF EQUINE FETLOCK JOINT IMMUNOPATHOLOGY AND THE IMMUNOMODULATORY EFFECTS OF INTRA-ARTICULAR THERAPEUTICS	139927	\$185,055
Rice, Aaron	CALS Lab of O - K. Lisa Yang Center	United States Department of Energy (Through: National Offshore Wind Research & Development Consortium)	RIGHT WIND: RESOLVING PROTECTED SPECIES SPACE-USE CONFLICTS IN WIND ENERGY AREAS	137857	\$799,729
Robinson, Richard	Materials Science Engineering	National Science Foundation	MCA: SCALABLE NANOMANUFACTURING OF EARTH-ABUNDANT ELECTROCHROMICS	138290	\$337,635
Robinson, Richard	Materials Science Engineering	American Chemical Society	DESIGN OF NANO-HETEROSTRUCTURES FOR CARBON MONOXIDE CATALYSIS	139156	\$110,000

Rudstam, Lars	CALS Natural Resources	NYS -> New York State Department of Environmental Conservation	LAKE ONTARIO AND LAKE ERIE LOWER FOOD WEB MONITORING	140168	\$211,794
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	\$300,000
Schmidt, Britney	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: Trustees of Dartmouth College)	THE CRYOPETROLOGY OF ICE SHELLS: HOW TO JUDGE A BOOK BY ITS COVER	138854	\$78,948
Schmit, Todd	Dyson - Sponsored Activity	USDA -> USDA National Institute of Food and Agriculture (Through: Colorado State University)	STRENGTHENING OPPORTUNITIES ALONG THE MEAT SUPPLY CHAIN TO PROMOTE SUSTAINABLE AGRICULTURE IN INTERMOUNTAIN STATES	137361	\$39,000
Shan, Jie	Applied & Engineering Physics	United States Department of Energy	PLANAR SYSTEMS FOR QUANTUM INFORMATION	86856	\$3,060,000
Shvets, Gennady	Applied & Engineering Physics	DOD -> DOD US AF -> Air Force Office of Scientific Research	HIGH HARMONICS GENERATION IN THE STRONGLY-DRIVEN SOLIDS (STRODS) REGIME USING TIME-VARYING METASURFACES	140924	\$291,740
Silberstein, Meredith	Mechanical & Aerospace Engineering	DOD -> DOD US AF -> Air Force Office of Scientific Research	DYNAMIC CHEMISTRY FOR RESIN TRANSFER MATRIX COMPOSITES	137513	\$450,000
Snyder, Abigail	CALS Food Science	USDA -> USDA National Institute of Food and Agriculture	DEFINING NICHE-SPECIFIC MICROBIAL COMMUNITY DYNAMICS TO INFORM TARGETED SANITATION AND HYGIENIC DESIGN	139513	\$625,100
Snyder, Abigail	CALS Food Science	USDA -> USDA Agricultural Marketing Service (Through: Center For Produce Safety)	PRACTICAL APPLICATION OF SUPERHEATED STEAM TO HARVESTING, PROCESSING, AND PRODUCE PACKING TOOLS AND EQUIPMENT	137407	\$396,178
Sparks, Jed	Ecology and Evolutionary Biology	USDA -> USDA ARS -> Ars Southeast Area (Through: Archbold Biological Station)	PHOSPHORUS AND METHANE DYNAMICS IN A SUBTROPICAL PASTURE ECOSYSTEM	142497	\$78,700
Srikrishnan, Vivek	CALS Biological & Environmental Engr	United States Department of Energy (Through: Pacific Northwest National Laboratory)	AGENT-BASED MODELING FOR THE INTEGRATED COASTAL MODELING PROJECT	141694	\$139,825
Stokol, Tracy	Population Medicine & Diagnostic Science	AKC -> American Kennel Club Canine Health Foundation	IT'S ALL IN THE GENES: THE MUTATIONAL LANDSCAPE OF ACUTE MYELOID LEUKEMIA IN DOGS	140644	\$109,183
Tomlan, Michael	City and Regional Planning	DOI -> National Park Service	NATURAL & CULTURAL RESOURCE MANAGEMENT AND MILITARY TRAINING	139305	\$7,500
Turner, Andy	Bronfenbrenner Ctr for Translational Rsch	USDA -> USDA National Institute of Food and Agriculture (Through: eXtension Foundation)	4-H PATHWAYS LEADERSHIP INSTITUTE	141211	\$168,713
Vilhuber, Lars	Labor Dynamics Institute	Laura and John Arnold Foundation (Through: UCAL -> The Regents of the University of California on behalf of its Berkeley Campus)	THE ACRE PROJECT: ACCELERATING COMPUTATIONAL REPRODUCIBILITY IN ECONOMICS	89557	\$1

Webster, Mike	CALS Lab of O - Macaulay Library Center	The American Ornithological Society	TESTING THE MAGIC TRAIT HYPOTHESIS: APPRAISAL OF GEOGRAPHIC VARIATION IN SONG SPARROW BEAK MORPHOLOGY AND ITS CONNECTION TO SONG CHARACTERISTICS	141093	\$2,000
Wild, Adam	CALS Natural Resources	Regional Office of Sustainable Tourism	DEVELOPING A SELF-GUIDED TOUR AND NATURE TRAIL IN THE EDUCATION OF MAPLE SYRUP PRODUCTION	141364	\$5,897
Wise, Frank	Cornell Center for Materials Research	National Science Foundation (Through: North Carolina Agricultural & Technical State University)	PREM: COLLABORATIVE RESEARCH AND EDUCATION IN ELECTRONIC/ENERGY MATERIALS (CREEM)	138926	\$104,550
Wood, Christopher	CALS Lab of O - Ctr Avian Studies	Gordon and Betty Moore Foundation (Through: Wildlife Conservation Society)	CITIZEN SCIENCE FOR THE AMAZON (2019-2021)	136040	\$12,000