

Cornell University, Office of Sponsored Programs
Awards Received in May 2020

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Abbaspourrad, Alireza	CALS Food Science	USDA -> National Institute of Food and Agriculture	TARGETED DELIVERY OF DIETARY SUPPLEMENTATION IN DAIRY COW WITH SMART HIGH INTERNAL PHASE EMULSION (HIPE) PLATFORM	90658	\$500,000
Abbaspourrad, Alireza	CALS Food Science	Nestle S.A.	DELIVERY SYSTEM DESIGN FOR SPECIFIC AMINO ACIDS - CONSULTING AND TECHNICAL EVALUATION	93141	\$90,000
Abbaspourrad, Alireza	CALS Food Science	USDA -> National Institute of Food and Agriculture	INVESTIGATING THE EFFECT OF HIGH PRESSURE PROCESSING (HPP) ON MOLECULAR STRUCTURE AND STABILIZATION OF NATURAL HYDROPHILIC COLORANTS	90729	\$468,000
Abbott, Nicholas	Chemical & Biomolecular Engineering	United States Department of Energy	BIOINSPIRED ACTIVE TRANSPORT AND ENERGY TRANSDUCTION USING LIQUID CRYSTALS BEYOND EQUILIBRIUM	87720	\$996,000
Acimovic, Srdan	CALS School of Integrative Plant Science	New York Farm Viability Institute Inc	EVALUATING NEW FUNGICIDE OPTIONS FOR CONTROL OF COLLETOTRICHUM FUNGI CAUSING APPLE FRUIT BITTER ROT IN NEW YORK	91834	\$124,173
Aguilar-Carreno, Hector	Microbiology and Immunology	GMU -> Mercatus Center	USING THE NOVEL ANTIVIRAL XM-01 TO PRODUCE A SARS-COV-2 VACCINE	93123	\$160,000
Alcaine, Samuel	CALS Food Science	USDA -> National Institute of Food and Agriculture	A NOVEL, FLEXIBLE BIOMANUFACTURING PROCESS FOR THE CONVERSION OF FOOD BY-PRODUCTS/WASTE INTO VALUE-ADDED FOODS AND INGREDIENTS	90693	\$460,000
Ando, Nozomi	Chemistry and Chemical Biology	National Science Foundation (Through: University Of Rochester)	COLLABORATIVE RESEARCH: ENGINEERING HYPERSTABLE ENZYMES VIA COMPUTATIONALLY GUIDED PROTEIN STAPLING	89293	\$90,000
Baptist, Edward	Cornell Inst for Social & Econ Research	The Andrew W Mellon Foundation	FREEDOM ON THE MOVE	92191	\$150,000
Barrett, Chris	Dyson - Sponsored Activity	USDA -> Economic Research Service (Through: University Of Kentucky)	UNDERSTANDING FOOD INSECURITY IN THE PSID	91912	\$50,000
Battaglia, Nicholas	Center Astrophysics-Planetary Science	NASA -> Jet Propulsion Laboratory	MAPPING THE BARYONIC MAJORITY: COMPREHENSIVE MULTI-MISSION ANALYSIS OF THE CIRCUMGALACTIC MEDIUM (CGM) AND THE INTERGALACTIC MEDIUM (IGM)	93199	\$31,115
Bazarov, Ivan	Cornell Lab Accelerator Sciences & Ed	United States Department of Energy (Through: Qrona Technologies LLC)	ULTRA-CLEAN GRAPHENE COATING FOR ROBUST OPERATION OF HIGH BRIGHTNESS PHOTOCATHODES	91478	\$39,999
Birman, Ken	Computer Science	DOD -> United States Air Force	DERECHO CASCADE: FAST REACTIVE INTELLIGENCE FOR ADVANCED SENSOR PLATFORMS	91037	\$1,000,000
Bogdanove, Adam	CALS School of Integrative Plant Science	USDA -> National Institute of Food and Agriculture	SUSCEPTIBILITY TO BACTERIAL LEAF STREAK MEDIATED BY A PUTATIVE SULFATE TRANSPORTER IN RICE: MECHANISM AND INTERVENTION	88230	\$1,060,000
Brown, David	CALS Global Development	USDA -> National Institute of Food and Agriculture (Through: Pennsylvania State University)	ECONOMIC RESTRUCTURING, DEMOGRAPHIC CHANGE, AND INCOME INEQUALITY IN RURAL AMERICA	83987	\$10,001
Brown, Warren	Policy Analysis and Management	NYS -> New York State Department of Labor	STATE DATA CENTER PROGRAM SERVICES	92302	\$1,000,000
Cassano, Patricia	Nutritional Sciences	HHS -> PHS -> National Institutes of Health	NUTRITION TRAINING	80160	\$2,908

Christy, Ralph	Dyson - Sponsored Activity	USDA -> National Institute of Food and Agriculture	AGRIBUSINESS STRATEGY IN EMERGING MARKETS: THE STUDENT MULTIDISCIPLINARY APPLIED RESEARCH TEAMS (SMART) PROGRAM	90233	\$150,000
Clark, Andrew	Molecular Biology and Genetics	HHS -> PHS -> National Institutes of Health	DYNAMICS OF GENE DRIVES IN NATURAL POPULATIONS	84356	\$2,572
Cohen, Itai	Lab. of Atomic & Solid State Physics	NSF -> Directorate for Engineering	USING BIDIRECTIONAL SHEAR PROTOCOLS TO DETERMINE MICROSTRUCTURAL CHANGES RESPONSIBLE FOR THICKENING AND DETHICKENING IN COLLOIDAL SUSPENSIONS	91865	\$479,513
Cohen, Paula	Biomedical Sciences	Lalor Foundation Inc	UNRAVELLING THE ROLE OF ARGONAUTE PROTEINS IN MALE GERM LINE DEVELOPMENT	92252	\$52,000
Cordes, Jim	Center Astrophysics-Planetary Science	National Science Foundation (Through: UWS -> University Of Wisconsin Milwaukee)	NSF PHYSICS FRONTIER CENTER PROGRAM: NORTH AMERICAN NANOHERTZ OBSERVATORY FOR GRAVITATIONAL WAVES	72662	\$407,695
Danescu-Niculescu-Mizil, Cristian	Information Science	National Science Foundation	CHS: SMALL: AUTOMATICALLY IDENTIFYING MISUNDERSTANDINGS OF SOCIAL INTENTIONS IN ONLINE CONVERSATIONS	88471	\$16,000
Daniel, Susan	Chemical & Biomolecular Engineering	GMU -> Mercatus Center	SCREENING FDA APPROVED DRUGS AGAINST SARS-COV-2 INFECTION AND CELL ENTRY	136031	\$100,000
Daniel, Susan	Chemical & Biomolecular Engineering	National Science Foundation	2020 SYNCCELL MEETING	92592	\$72,525
De Vlaminc, Iwijn	Biomedical Engineering	HHS -> PHS -> National Institutes of Health	METAGENOMIC PROFILING OF URINARY CELL-FREE DNA TO MONITOR URINARY TRACT INFECTION AFTER KIDNEY TRANSPLANTATION	90193	\$3,446,681
DeLisa, Matthew	Chemical & Biomolecular Engineering	HHS -> PHS -> National Institutes of Health	MOLECULAR TOOLKIT FOR HIGH CONTENT RESOLUTION OF THE SPATIOTEMPORAL GLYCOME	90306	\$1,612,321
DeRosa, Eve	Human Development	HHS -> PHS -> National Institutes of Health	BASAL FOREBRAIN CONNECTIONS TO THE HEART AND MIND IN HEALTHY AGING	89820	\$2,701,006
Dickin, Kate	Nutritional Sciences	United States Agency for International Development (Through: JSI Research & Training Institute Inc)	USAID ADVANCING NUTRITION	83467	\$3,170
Diel de Amorim, Mariana	Clinical Sciences	Zweig Memorial Fund	CAN INFLAMMATORY MARKERS IN LOW-VOLUME UTERINE LAVAGE FLUID BE USED TO DIAGNOSE MARES WITH ENDOMETRIAL FIBROSIS AND WITH ACUTE INFLAMMATION?	136231	\$9,695
Donnelly, Eve	Materials Science Engineering	HHS -> PHS -> National Institutes of Health (Through: Harvard -> HMS -> Massachusetts General Hospital)	BIOMECHANICAL MECHANISMS UNDERLYING SKELETAL FRAGILITY IN OLDER ADULTS WITH TYPE 1 DIABETES	88792	\$77,600
Ealick, Steven	Chemistry and Chemical Biology	HHS -> PHS -> NIH -> National Institute of General Medical Sciences	NE-CAT: A RESOURCE FOR ADVANCED MACROMOLECULAR CRYSTALLOGRAPHY	81536	\$1,209,586
Ferguson, Melissa	Psychology	National Science Foundation	COLLABORATIVE RESEARCH: HOW DO WE UPDATE IMPRESSIONS IN LIGHT OF NEW EVIDENCE? USING BEHAVIORAL, COMPUTATIONAL, AND NEURAL APPROACHES TO UNDERSTAND CORRECTION OF FIRST IMPRESSIONS.	90671	\$249,806
Fromme, Chris	Weill Institute	HHS -> PHS -> NIH -> National Institute of General Medical Sciences	GTPASE REGULATION OF THE GOLGI COMPLEX	90066	\$2,560,411

Goldfeld, Ziv	Electrical & Computer Engineering	National Science Foundation	CRII: CIF: NEW PARADIGMS IN GENERALIZATION AND INFORMATION-THEORETIC ANALYSIS OF DEEP NEURAL NETWORKS	90710	\$175,000
Hoepfing, Christy	CALS Cornell Cooperative Extension	USDA -> National Institute of Food and Agriculture (Through: Washington State University)	STOP THE ROT: COMBATING ONION BACTERIAL DISEASES WITH PATHOGENOMICS TOOLS AND ENHANCED MANAGEMENT STRATEGIES	89909	\$214,459
Hoffstaetter, Georg	Cornell Lab Accelerator Sciences & Ed	United States Department of Energy (Through: Brookhaven National Lab)	ERHIC DESIGN AND SIMULATION	90314	\$235,942
Hoffstaetter, Georg	Cornell Lab Accelerator Sciences & Ed	United States Department of Energy (Through: Brookhaven National Lab)	MACHINE LEARNING DURING RHIC OPERATIONS	136038	\$15,478
Holmes, Natasha	Lab. of Atomic & Solid State Physics	National Science Foundation (Through: NSF -> Directorate for Education and Human Resources)	STUDYING EQUITY IN UNDERGRADUATE PHYSICS LABS	86536	\$19,230
Hua, Jian	CALS School of Integrative Plant Science	National Science Foundation	REGULATION OF CALCIUM SIGNAL AND SIGNALING IN PLANT IMMUNITY BY BON1 ASSOCIATED PROTEINS IN ARABIDOPSIS	90812	\$925,000
Hysell, David	Earth & Atmospheric Sciences	National Science Foundation	SPACE WEATHER AND THE JICAMARCA RADIO OBSERVATORY	82350	\$50,000
Jung, Malte	Information Science	DOD -> ARMY -> U.S. Army Research Laboratory (Through: Northwestern University)	DECODING THE SEQUENTIAL STRUCTURAL SIGNATURES OF HUMAN AGENT TEAMING AND THEIR IMPACT ON PERFORMANCE	88906	\$325,000
Jung, Sunghwan	CALS Biological & Environmental Engr	USDA -> Agricultural Marketing Service (Through: Washington State University)	PROTECTING STRAWBERRY PLANTS FROM RAINDROP-INDUCED DISEASE SPREADING	88516	\$15,005
Jung, Sunghwan	CALS Biological & Environmental Engr	National Science Foundation	RAPID: COLLABORATIVE RESEARCH: NEW GENERATION OF A BI INSPIRED PROTECTIVE MASK BASED ON THERMAL & VORTEX TRAPS	92985	\$74,000
Kan, Edwin	Electrical & Computer Engineering	National Science Foundation	NSF: CCSS: PRECISION POSITIONING FOR STRUCTURAL MONITORING BY EMBEDDED RFID TAGS	90776	\$368,729
Kenkel, Donald	Policy Analysis and Management	Foundation for a Smoke-Free World Inc	ECONOMIC ANALYSIS OF HARM REDUCTION, HYPERBOLIC DISCOUNTING, AND MENTHOL	135843	\$52,500
Kress-Gazit, Hadas	Mechanical & Aerospace Engineering	DOD -> Defense Advanced Research Project Agency (Through: UCAL -> The Regents of the University of California on behalf of its Los Angeles Campus)	DECENTRALIZED OPTIMIZED CONTEXT-AWARE TEAMING	91343	\$200,069
Kriner, Douglas	Government	Charles Koch Foundation	CONGRESS, PRESIDENTS, AND THE POLITICS OF PERPETUAL WAR	93056	\$120,000
Leal-Yepes, Francisco	Population Medicine & Diagnostic Science	Ajinomoto U.S.A. Inc. (Through: Regents of the University of Minnesota)	APPLYING PRECISION DAIRY FARMING AND DIAGNOSTIC TECHNOLOGIES TO PREDICT HYPERKETONEMIA IN DAIRY COWS A CLINICAL STUDY	91902	\$9,970
Lejeune, Mani	Population Medicine & Diagnostic Science	OK ST U -> National Center For Veterinary Parasitology	STANDARDIZATION OF FECAL EGG COUNT TESTS FOR ACCURATE MONITORING OF ANTHELMINTHIC RESISTANCE	91096	\$15,000
Lewis, Nikole	Center Astrophysics-Planetary Science	Heising-Simons Foundation	51 PEGASI B FELLOWSHIP (EILEEN GONZALES)	92548	\$375,000
Lewis, Nikole	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: NASA -> Association of Universities for Research in Astronomy)	JWST TELESCOPE SCIENTIST INVESTIGATION	88346	\$401,097

Lin, Song	Chemistry and Chemical Biology	HHS -> PHS -> National Institutes of Health	RADICAL REDOX CATALYSIS BY TI COMPLEXES	90417	\$1,235,763
Liu, Rui	CALS Food Science	USDA -> ARS -> ARS Northeast Area	MICRONUTRIENT BIOAVAILABILITY OF FOODS	80570	\$172,625
Mao, Yuxin	Weill Institute	HHS -> PHS -> National Institutes of Health	NON-CANONICAL PHOSPHORIBOSYL UBIQUITINATION AND DE-UBIQUITINATION BY LEGIONELLA EFFECTORS	89192	\$1,283,298
McDermott, Laura	CALS Cornell Cooperative Extension	USDA -> National Institute of Food and Agriculture (Through: University of Vermont)	ANAEROBIC SOIL DISINFESTATION AS PRE-PLANT TREATMENT FOR STRAWBERRY IN NORTHEAST US	91736	\$184,617
McFadden, Joseph	CALS Animal Science	USDA -> National Institute of Food and Agriculture	THE THERAPEUTIC POTENTIAL OF LYSOPHOSPHOLIPIDS AS IMMUNOMODULATORY COMPOUND	90503	\$200,000
Mirzakhani Nafchi, Ali	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets (Through: New York Farm Viability Institute Inc)	LASER TECHNOLOGY AIDED AGRICULTURAL WILDLIFE DAMAGE MANAGEMENT	91808	\$102,549
Myers, Andrew	Computer Science	Intelligence Advanced Research Projects Activity (Through: International Business Machines Corporation)	PASCAL: PROGRAMMING ARCHITECTURE FOR SECURE CRYPTOGRAPHIC APPLICATION	85405	\$142,410
Nyrop, Jan	CALS Cornell AgriTech Fin & Operating	Genesee Valley Regional Market Authority	INFRASTRUCTURE IMPROVEMENT AT THE CORNELL AGRITECH CERTIFIED ORGANIC RESEACH FARM	92744	\$400,000
Pawlowski, Wojtek	CALS School of Integrative Plant Science	NSF -> Directorate for Biological Sciences	ERA-CAPS: MEIOTIC RECOMBINATION IN PLANTS (MEIOREC): THE EFFECT OF CHROMOSOME AXIS REMODELING ON RECOMBINATION OUTCOMES IN LARGE-GENOME PLANTS.	87374	\$83,739
Peck, Mason	Mechanical & Aerospace Engineering	National Aeronautics and Space Administration	EXPLORING EXTREME TERRAIN USING A POLYHEDRAL ROVER	80174	\$7,250
Pender, Jamol	Operations Research & Information Engr	National Science Foundation	2020 STOCHASTIC NETWORKS CONFERENCE	91710	\$30,000
Porciello, Jaron	CALS Global Development	Bill and Melinda Gates Foundation	DIGITAL FARMER SERVICES EVIDENCE REVIEW	92547	\$196,707
Pryor, Sara	CALS Earth and Atmospheric Science	Pattern Energy Group Inc	CLIMATE PROJECTIONS OF WIND RESOURCES AND OPERATING CONDITIONS (WROC).	92642	\$214,487
Ramberg, Lucinda	Anthropology	American Council of Learned Societies	"WE WERE ALWAYS BUDDHIST": DALIT CONVERSION, SEXUAL MODERNITY, AND THE TIME OF EMANCIPATION.	136267	\$70,000
Rossi, Frank	CALS School of Integrative Plant Science	NYS -> New York State Department of Environmental Conservation (Through: Rochester Institute Of Technology)	ENVIRONMENTAL RESULTS PROGRAM AND THE NY GOLF COURSE SECTOR PHASE 1	91999	\$41,740
Schlom, Darrell	Materials Science Engineering	DOD -> US AF -> Air Force Office Of Scientific Research	FERROELECTRIC FIELD-EFFECT TRANSISTORS	92141	\$179,795
Sethupathy, Praveen	Biomedical Sciences	Fibrolamellar Cancer Foundation	NOVEL MOLECULAR, GENETIC, AND MULTI-OMIC STRATEGIES FOR DEVELOPING NEW THERAPEUTICS FOR FIBROLAMELLAR CARCINOMA	87005	\$31,667
Shaw, Kerry	Neurobiology and Behavior	Animal Behavior Society	BEHAVIORAL STERILITY IN HYBRIDS OF A RECENTLY DIVERGED SPECIES PAIR	136151	\$1,300
Simpson, Kenneth	Clinical Sciences	Farmina Pet Food Usa Llc	A PILOT STUDY ON THE EFFECT OF FARMINA HYDROLIZED FISH PROTEIN DIET CURCUMIN AND PREBIOTICS AS DIETARY THERAPY OF CHRONIC ENTEROPATHY IN DOGS	85533	\$33,250
Smallidge, Peter	CALS Natural Resources	Appalachian Regional Commission	IMPROVING MAPLE TECHNOLOGY AND SYRUP QUALITY	90859	\$150,000

Sosnoskie, Lynn	CALS School of Integrative Plant Science	New York Farm Viability Institute Inc	MANAGING HERBICIDE-RESISTANT AND OTHER DIFFICULT-TO-CONTROL WEEDS IN FIELD AND VEGETABLE CROPS USING ELECTRICAL DISCHARGE SYSTEMS	91825	\$71,866
Staehr, A.	Dyson - Sponsored Activity	NYS -> New York State Office of Mental Health	NY FARMNET MENTAL HEALTH OUTREACH TO FARMERS (2019-2020)	90487	\$400,000
Turner, Andy	Bronfenbrenner Ctr forTranslational Rsch	National 4-H Council	NYS 4-H CHANGE MANAGEMENT	86481	\$27,600
Turner, Andy	Bronfenbrenner Ctr forTranslational Rsch	US DOJ -> Office of Juvenile Justice and Delinquency Prevention (Through: National 4-H Council)	NYS 4-H HEALTH ROCKS! NATIONAL MENTORING PROGRAM	92773	\$55,250
Van de Walle, Gerlinde	Baker Institute for Animal Health	USDA -> National Institute of Food and Agriculture	EPIDEMIOLOGY AND PATHOGENICITY OF EQUINE PARVOVIRUS HEPATITIS	90607	\$500,000
Vitousek, Maren	CALS Ecology & Evolutionary Biology	DOD -> Defense Advanced Research Project Agency (Through: United States Department of the Interior)	UNCOVERING THE MECHANISTIC LINKS BETWEEN STRESSOR EXPOSURE, THE SOCIAL ENVIRONMENT, AND FUTURE PERFORMANCE	82488	\$102,182
Wagner, Aaron	Electrical & Computer Engineering	National Science Foundation	COLLABORATIVE RESEARCH: CIF: MEDIUM: A THEORETICAL FOUNDATION FOR PRACTICAL COMMUNICATION WITH FEEDBACK	91220	\$410,000
Walter-Peterson, Hans	CALS Cornell Cooperative Extension	New York Farm Viability Institute Inc	DETERMINING THE EFFICACY OF CUTICLE-ENHANCING PRODUCTS TO REDUCE CLUSTER ROTS AND FRUIT FLY DAMAGE IN NY VINEYARDS	91867	\$110,068
Warner, Derek	Civil & Environmental Engineering	DOD -> US NAVY -> Office of Naval Research	HIGH THROUGHPUT FATIGUE CHARACTERIZATION	89499	\$442,200
Weiss, Robert	Biomedical Sciences	HHS -> PHS -> National Institutes of Health	CORNELL UNIVERSITY VETERINARY INVESTIGATOR PROGRAM	90269	\$398,520
Wells, Martin	Department of Statistics & Data Science	Patient-Centered Outcomes Research Institute (Through: Weill Cornell Medicine)	PREVENTING TIPPING POINTS IN HIGH COMORBIDITY PATIENTS: A LIFELINE FROM HEALTH COACHES	86110	\$17
Whittaker, Gary	Microbiology and Immunology	Winn Feline Foundation Inc	MECHANISM OF ACTION OF DOXYCYCLINE IN INHIBITING FELINE INFECTIOUS PERITONITIS VIRUS	92092	\$25,000
Wrege, Peter	CALS Lab of O - Programs	The Born Free Foundation	LARGE SCALE ACOUSTIC MONITORING IN THE NOUABALE-NDOKI LANDSCAPE: POACHING INTENSITY AND FOREST ELEPHANT MOVEMENT	93198	\$49,254