

**Cornell University, Office of Sponsored Programs**  
**Awards Received in September 2019**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Project Title</b>	<b>OSP#</b>	<b>Amount</b>
ABBASPOURRAD, ALIREZA	CALS Food Science	TATE	METHODS TOWARDS THE HETEROGENEOUS FUNCTIONALIZATION OF STARCH GRANULES: GL 1	88713	\$165,000
ABERS, GEOFFREY A	Earth & Atmospheric Sciences	NSF	ALASKA AMPHIBIOUS COMMUNITY SEISMIC EXPERIMENT	80572	\$95,692
ACREE, TERRY E	CALS Food Science	P&G CO	ANALYZING ODOR IMAGES FROM FRAGRANCES: GATEWAY	90475	\$200,000
AJUNWA, IFEOMA	Organizational Behavior	RWJF	GENETIC DATA AND CORPORATE WELLNESS PROGRAM	90538	\$414,944
AJUNWA, IFEOMA	Labor Relations, Law, & History	NSF (NSF SBE)	CAREER: THE DEVELOPMENT, DESIGN, AND ETHICAL ISSUES OF ALGORITHMIC HIRING TOOLS	87562	\$526,878
ALABI, CHRISTOPHER A	Chemical & Biomolecular Engineering	NSF	INTRACELLULAR PROCESSING OF CELL-PENETRATING OLIGOTEAS	88432	\$371,527
ANDERSON, CATHERINE L	CALS Biological & Environmental Engr	ARIZONA STATE U	OPTIMAL MODEL COORDINATION FOR INTEGRATED TRANSMISSION AND DISTRIBUTION SYSTEMS	84978	\$35,000
ANDERSON, SAMUEL W	CALS Cornell Cooperative Extension	U OF VERMONT	TWO-SPOTTED SPIDER MITE IPM FOR URBAN AGRICULTURE	89945	\$20,836
AZENKOT, SHIRI	JTC Research	NSF	CHS: SMALL: COLLABORATIVE RESEARCH: IMPROVING MOBILE DEVICE INPUT FOR USERS WHO ARE BLIND OR LOW VISION	88578	\$274,000
BALA, KAVITA	Computer Science	NSF	CHS: MEDIUM: COLLABORATIVE RESEARCH: PHYSICS AND LEARNING INTEGRATION USING DIFFERENTIABLE RENDERING	88060	\$400,000
BARRETT, CHRISTOPHER	CALS AEM	MICHIGAN ST U	STAAARS+ FOOD SECURITY RESEARCH INSTITUTIONAL CAPACITY DEVELOPMENT	89013	\$561,956
BASKIN, JEREMY M	Weill Institute	DHHS (NIH-NIH NIGMS)	MUTUALLY ORTHOGONAL METABOLIC PROBES FOR MULTIPLEXED IMAGING OF DE NOVO PHOSPHOLIPID BIOSYNTHESIS	88846	\$183,690
BEAN, RACHEL E	Center Astrophysics-Planetary Science	DOE	MAXIMIZING LSST AND MS-DESI'S IMPACT ON DARK SECTOR AND INFLATIONARY PHYSICS	71486	\$10,000
BEAN, RACHEL E	Center Astrophysics-Planetary Science	NASA (JPL)	SIT-COSMOLOGY WITH THE WFIRST HIGH LATITUDE SURVEY SCIENCE INVESTIGATION TEAM	91039	\$39,293
BEAN, RACHEL E	Center Astrophysics-Planetary Science	NASA (JPL)	FISCAL YEAR 2020 FUNDING FOR EUCLID SCIENCE TEAM UNDER JASON RHODES PROPOSAL "CONSTRAINING DARK ENERGY AND MODIFIED GRAVITY WITH EUCLID"	90973	\$57,000
BERGSTROM, GARY C	CALS School of Integrative Plant Science	USDA (ARS)	IMMUNITY TO POTATO CYST NEMATODES	81321	\$137,011
BERGSTROM, GARY C	CALS School of Integrative Plant Science	MICHIGAN ST U	IDENTIFICATION OF ADAPTIVE FUNGAL PATHOGEN RESISTANCE LOCI IN SWITCHGRASS	82696	\$147,556
BERLINER, ELIZABETH A.	Population Medicine & Diagnostic Science	HUMANE SOCIETY	SPAYATHON FOR PUERTO RICO ROUND 5-8	91140	\$140,000
BERRY, DANIEL CARL	Nutritional Sciences	DHHS (NIH)	PDGFR $\alpha$ , A MEDIATOR OF THE ADIPOSE LINEAGE	88358	\$235,500
BICALHO, RODRIGO	Population Medicine & Diagnostic Science	U OF ILLINOIS (UIUC)	INTEGRATING HOST GENOME AND RUMEN MICROBIOME TO IMPROVE EFFICIENCY OF MILK PRODUCTION IN DAIRY CATTLE	87598	\$127,396
BIRCH, SAMUEL P D	Center Astrophysics-Planetary Science	PLANETARY	BALLISTIC TRANSPORT AND DEPOSITION OF EJECTED MATERIAL ON COMET HARTLEY 2	88522	\$66,593
BIRMAN, KENNETH P	Computer Science	STAVANGER	COLLABORATION NETWORK FOR EXCELLENT EDUCATION AND RESEARCH IN DEPENDABLE AND SECURE DISTRIBUTED SYSTEMS	90090	\$39,360
BOGDANOWICZ, STEVEN M	CALS Ecology & Evolutionary Biology	USDA (USDA APHIS)	DEVELOPMENT OF MOLECULAR DIAGNOSTIC TOOLS AND INVESTIGATIONS OF NATIVE AND INVASIVE POPULATION STRUCTURES OF THREE INVASIVE PEST INSECTS	90484	\$217,255

BONASSAR, LAWRENCE	Biomedical Engineering	ARMI	NON-DESTRUCTIVE MONITORING FOR QUALITY CONTROL OF ENGINEERED TISSUES	86819	\$750,824
BROWN, WARREN A	Policy Analysis and Management	NYS (NYS LABOR)	STATE DATA CENTER PROGRAM SERVICES	74517	\$100,000
BRUYERE, SUSANNE M	Industrial & Labor Relations Ext Orgs	US DOL (ODEP)	NATIONAL EMPLOYER POLICY, RESEARCH, AND TECHNICAL ASSISTANCE CENTER ON THE EMPLOYMENT OF PEOPLE WITH DISABILITIES	90382	\$6,000,000
BRUYERE, SUSANNE M	Industrial & Labor Relations Ext Orgs	U OF TEXAS SYS (UTMB)	CENTER FOR LARGE DATA RESEARCH AND DATA SHARING IN REHABILITATION	84403	\$97,258
BRUYERE, SUSANNE M	Industrial & Labor Relations Ext Orgs	US DOL (ODEP)	NATIONAL EMPLOYER POLICY, RESEARCH, AND TECHNICAL ASSISTANCE CENTER ON THE EMPLOYMENT OF PEOPLE WITH DISABILITIES	90382	\$2,000,000
BUNTING-HOWARTH, KATHERINE E	CALS Sea Grant	EPA	LONG ISLAND SOUND STUDY (LISS) NEW YORK PUBLIC OUTREACH PROGRAM	88252	\$233,406
BUNTING-HOWARTH, KATHERINE E	CALS Sea Grant	CUNY	BUILDING SUSTAINED CAPACITY FOR URBAN RESILIENCE: RECONCILING REGIONAL DRIVERS AND LOCAL NEEDS	90463	\$18,000
BUTCHER, JONATHAN T	Biomedical Engineering	NSF	PLANNING GRANT: AN ENGINEERING RESEARCH CENTER FOR THE ENGINEERING OF EMERGENT BIOCOMPLEXITY (ERC-EEB)	90237	\$100,000
CERIONE, RICHARD A	Cornell Lab Accelerator Sciences & Ed	DHHS (NIH-NIH NIGMS)	MACCHESS SYNCHROTRON SOURCE FOR STRUCTURAL BIOLOGY	88304	\$17,373,961
CHANG, PAMELA V	Microbiology and Immunology	DHHS (NIH-NIH NIGMS)	ACTIVITY-BASED PROFILING OF BILE SALT HYDROLASES IN THE GUT MICROBIOME IN HEALTH AND DISEASE	88229	\$1,904,976
CHATRCHYAN, ALLISON M	CALS Earth and Atmospheric Science	STIRLING	CLIMATE CHANGE BEHAVIOURS – SEGMENTATION STUDY	89247	\$17,383
CHEN, PENG	Chemistry and Chemical Biology	DOE	MULTIMODAL SINGLE-CELL/PARTICLE IMAGING AND ENGINEERING FOR ENERGY CONVERSION IN BACTERIA	90166	\$2,099,996
CLELAND, THOM	Psychology	STOWERS INSTITUTE	CIRCUIT ARCHITECTURE AND DYNAMICS REPRESENTATION IN ODOR PERCEPTION	74806	\$267,116
CLELAND, THOM	Psychology	DHHS (NIH)	DYNAMICS OF SPIKE TIMING IN OLFACTORY BULB CODING AND NEUROMODULATION NRSA FOR JESSE C. WERTH	88936	\$135,048
COATES, GEOFFREY	Chemistry and Chemical Biology	U OF MINNESOTA	CENTER FOR SUSTAINABLE POLYMERS	72020	\$108,979
COFFMAN, W. RONNIE	CALS International Programs	CIMMYT	RESEARCH COLLABORATION AGREEMENT - ABACUSBIO	91147	\$35,000
COFFMAN, W. RONNIE	CALS International Programs	SEED SYSTEMS GROUP	ANALYSIS OF THE SEED SYSTEMS DEVELOPMENT OPPORTUNITIES IN 15 AFRICAN COUNTRIES	90706	\$254,265
COFFMAN, W. RONNIE	CALS International Programs	IIE	HUBERT HUMPHREY FELLOWS 2019-2020	88243	\$248,745
COHEN, ITAI	Lab. of Atomic & Solid State Physics	NSF (NSF ENG)	EFRI-C3 SORO: MICRON-SCALE MORPHING SOFT-ROBOTS FOR INTERFACING WITH BIOLOGICAL SYSTEMS	88849	\$2,000,000
COHEN, PAULA E	Biomedical Sciences	DHHS (NIH-NIH NICHD)	REGULATION OF MUTL-GAMMA FUNCTION IN MEDIATING CROSSING OVER IN MAMMALIAN MEIOSIS	88911	\$2,168,502
COLLINS, LANCE	Dean and Associate Deans	NSF	I-CORPS NODE: UPSTATE NY ALLIANCE FOR ENTREPRENEURIAL INNOVATION	79546	\$830,561
COLLMER, ALAN R	CALS School of Integrative Plant Science	USDA (ARS)	GENOMIC AND FUNCTIONAL ANALYSIS OF EMERGING AND PERSISTENT PLANT PATHOGENIC BACTERIA TO SUPPORT DISEASE CONTROL	84637	\$143,000
COLLMER, ALAN R	CALS School of Integrative Plant Science	USDA (ARS)	GENOMIC AND FUNCTIONAL ANALYSIS OF EMERGING AND PERSISTENT PLANT PATHOGENIC BACTERIA TO SUPPORT DISEASE CONTROL	84637	\$509,476
CONG, WILL	Grants and Contracts-Research	EWING MARION KAUFFMAN FDN	KAUFFMAN JUNIOR FACULTY FELLOWS	91085	\$33,280
CURTIS, PAUL D	CALS Natural Resources	KWIZDA AGRO GMBH	A FIELD EVALUATION OF TRICO DEER REPELLENT	90321	\$28,403
DAUGHTREY, MARGERY L	CALS School of Integrative Plant Science	USDA (ARS)	DISCOVERY AND MANAGEMENT OF DISEASES OF FLORICULTURE CROPS	88014	\$77,519

DE JONG, WALTER	CALS School of Integrative Plant Science	USDA (ARS)	DEVELOPMENT AND RELEASE OF GOLDEN NEMATODE RESISTANT POTATOES	77933	\$141,450
DEGAETANO, ARTHUR T	CALS Earth and Atmospheric Science	DEPT COMMERCE (NOAA)	DEVELOPING DROUGHT TRIGGERS AND INDICATORS USING THE NATIONAL WATER MODEL: A CASE STUDY TO IMPROVE THE U.S. DROUGHT MONITOR IN SUPPORT OF THE NORTHEAST DEWS	88795	\$57,606
DEGAETANO, ARTHUR T	CALS Earth and Atmospheric Science	USDA (NRCS)	DEVELOPING ONLINE CLIMATE INFORMATION TOOLS FOR SCAN STATIONS USING THE APPLIED CLIMATE INFORMATION SYSTEM (ACIS)	87215	\$40,544
DERRY, LOUIS A	Earth & Atmospheric Sciences	NSF (NSF GEO)	DEVELOPMENT OF A CRITICAL ZONE OBSERVATORY NATIONAL OFFICE	71423	\$570,000
DIEL, DIEGOG	Population Medicine & Diagnostic Science	SHIC	DEVELOPMENT OF MULTIPLEX REAL-TIME PCR- AND ANTIBODY REAGENTS FOR THE DETECTION OF SWINE ACUTE DIARRHEA SYNDROME CORONAVIRUS (SADS-COV)	90567	\$93,088
DITOMMASO, ANTONIO	CALS School of Integrative Plant Science	USDA (ARS)	DEMOGRAPHY OF WEEDS IN THE NORTHEAST	77947	\$1,419
DOERR, TOBI	Weill Institute	DHHS (NIH-NIH NIGMS)	THE MECHANISM OF AUTOLYSIN REGULATION IN VIBRIO CHOLERAEE	87641	\$1,259,936
EALICK, STEVEN E	Chemistry and Chemical Biology	HOFF-LAROCHE (GENENTECH)	GENENTECH MEMBERSHIP AGREEMENT	91191	\$100,000
ELVINGER, FRANCOIS	Animal Health Diagnostic Center	USDA (USDA-NIFA)	NAHLN - NATIONAL ANIMAL HEALTH DIAGNOSTIC LABORATORY	88156	\$300,000
ERICKSON, DAVID C	Mechanical & Aerospace Engineering	WCM	NOVEL PHENOTYPIC ASSAY FOR DETERMINING ANTIBIOTIC SUSCEPTIBILITY OF NEISSERIA GONORRHOEAEE	85984	\$45,000
ERICKSON, DAVID C	Mechanical & Aerospace Engineering	WCM	H.E.R.M.E.S.: RAPID LOW-COST BLOOD-PLASMA SEPARATION AT THE POINT-OF-NEED	87877	\$46,516
ESCOBEDO, FERNANDO E	Chemical & Biomolecular Engineering	NSF	OPTIMIZING THE THERMODYNAMICS AND KINETICS OF NANOPARTICLE CRYSTAL ASSEMBLY	88525	\$299,997
FEIGENSON, GERALD W	Molecular Biology and Genetics	U OF TENNESSEE	MECHANISMS OF INTERLEAFLET COUPLING IN ASYMMETRIC LIPID MEMBRANES	90186	\$100,976
FISCHBACH, CLAUDIA	Biomedical Engineering	DHHS (NIH-NIH NCI)	CENTER ON THE PHYSICS OF CANCER METABOLISM	78542	\$305,813
FREED, JACK H	Chemistry and Chemical Biology	DHHS (NIH-NIH NIGMS)	NATIONAL BIOMEDICAL CENTER FOR ADVANCED ESR TECHNOLOGY (ACERT)	79051	\$178,808
FUCHS, MARC	CALS School of Integrative Plant Science	USDA (USDA APHIS)	GROWING THE FIRST DETECTOR NETWORK / FY19	87894	\$111,346
FUCHS, MARC	CALS School of Integrative Plant Science	NYS (AGMRKT)	PLANT CERTIFICATION PROGRAM	90370	\$120,000
FUCHS, MARC	CALS School of Integrative Plant Science	USDA (USDA-NIFA)	REGIONAL CENTER PLANT DIAGNOSTIC FACILITY	80289	\$616,033
FUCHS, MARC	CALS School of Integrative Plant Science	USDA (ARS)	IDENTIFICATION OF GENES AND GENE PRODUCTS INVOLVED IN VECTOR-PATHOGEN INTERACTIONS TO CONTROL VECTOR-BORNE PATHOGENS	88190	\$57,695
GAZEL, ESTEBAN	Earth & Atmospheric Sciences	NSF	SOLVING THE MYSTERY OF BERMUDA: IMPLICATIONS FOR INTRAPLATE MAGMATISM	84171	\$46,436
GOLDFARB, JILLIAN L	CALS Biological & Environmental Engr	NSF (NSF ENG)	COLLABORATIVE RESEARCH: INTEGRATED BIOREFINERY FOR PYROLYSIS BIOFUELS AND BIOTEMPLATED NANOMATERIALS	89926	\$274,585
GOLDSTEIN, MICHAEL H	Psychology	DHHS (NIH)	CURIOSITY- DRIVEN LEARNING IN SOCIAL CONTEXTS: A COMPARATIVE APPROACH NRSA FOR KATERINA M. FAUST	87763	\$135,048
GOMES, CARLA P	Computer Science	GMRI	RAISE: C-ACCEL PILOT - TRACK A1 (OPEN KNOWLEDGE NETWORK): CONVERGENCE RESEARCH TO MEET OCEAN DECISION CHALLENGES	90229	\$135,241
GOODMAN, LAURA B	Population Medicine & Diagnostic Science	DHHS (FDA)	EVALUATION OF THE ISEQ PLATFORM FOR E. COLI PATHOTYPING	89848	\$224,906

GRUNDBERG, ETHAN ALEXANDER	CALS Cornell Cooperative Extension	U OF VERMONT	DEVELOPING INTEGRATED PEST MANAGEMENT STRATEGIES TO REDUCE DAMAGE FROM THE INVASIVE ALLIUM LEAFMINER ON ORGANIC FARMS	89946	\$29,943
GU, APRIL	Civil & Environmental Engineering	DC WATER	DEVELOP DESIGN, OPERATION AND MODEL GUIDANCE FOR PRACTICAL IMPLEMENTATION OF FERMENTATION OF RAS AND MLSS FOR EXPANSION OF S2EBPR CONCEPT TO ALL EBPR DESIGN	91384	\$10,000
GUIMBRETIERE, FRANCOIS V	Information Science	NSF	NRI:INT: INTEGRATING ROBOTIC AND AI TECHNOLOGIES TO SUPPORT EMBODIED COLLABORATIVE DESIGN	89401	\$1,499,555
GURVICH, ITAI	Tech Research	NSF	POLICY-ROBUST PROCESSING NETWORKS: CHARACTERIZATION AND DESIGN	88035	\$486,172
HAJEK, ANN E	CALS Entomology	USDA (USDA APHIS)	INVESTIGATING CONTROL OF SPOTTED LANTERNFLIES BY ENTOMOPATHOGENIC FUNGI	90160	\$48,625
HARTMAN, THOMAS	Cornell Lab Accelerator Sciences & Ed	DOE	THEORY AND SIMULATIONS FOR EMERGENT GEOMETRY IN QUANTUM GRAVITY	89744	\$380,000
HAY, ANTHONY G.	CALS Microbiology	MIRACLE GRO	EVALUATION OF MICROBIAL INOCULANT EFFICACY ON HEMP IN PROFESSIONAL GREENHOUSE PRODUCTION	91011	\$23,715
HAY, FRANK S	CALS School of Integrative Plant Science	USDA (USDA-NIFA)	UNDERPINNING THE DEVELOPMENT OF AN INTEGRATED DISEASE MANAGEMENT STRATEGY FOR STEMPHYLIUM LEAF BLIGHT OF ONION IN NEW YORK	89864	\$199,981
HAYES, ALEXANDER G	Center Astrophysics-Planetary Science	JOHNS HOPKINS UNIV (APL)	PARTICIPATION OF PROFESSOR ALEX HAYES IN THE EUROPA IMAGING SYSTEM (EIS) AS A SCIENCE TEAM MEMBER FOR PHASE A	77327	\$107,016
HAYES, ALEXANDER G	Center Astrophysics-Planetary Science	NASA (NSSC)	UNDERSTANDING TRANSIENT CHANGES WITHIN SMOOTH TERRAINS ON 67P	87941	\$425,721
HOFFSTAETTER, GEORG	Cornell Lab Accelerator Sciences & Ed	BROOKHAVEN	CORNELL-BROOKHAVEN ERL TEST ACCELERATOR (CBETA)	82010	\$141,689
HOFFSTAETTER, GEORG	Cornell Lab Accelerator Sciences & Ed	BROOKHAVEN	CORNELL-BROOKHAVEN ERL TEST ACCELERATOR (CBETA)	82010	\$650,000
HUI, CHUNG-YUEN	Mechanical & Aerospace Engineering	LEHIGH U	LEAP HI: GOAL: MESO-SCALE MECHANISMS FOR FRICTION IN STRUCTURED SOFT MATERIALS: ELASTIC HYSTERESIS	87848	\$686,428
HYSELL, DAVID L	Earth & Atmospheric Sciences	NSF	UPGRADING THE JICAMARCA RADIO OBSERVATORY	88302	\$953,820
HYSELL, DAVID L	Earth & Atmospheric Sciences	NSF	COLLABORATIVE RESEARCH: A STRATEGIC VISION FOR INCOHERENT SCATTER RADAR WORKSHOP; ITHACA, NEW YORK; MARCH 30-APRIL 1, 2020	89963	\$4,542
JACKSON, MARK HOWARD	Law Clinic and Skills Instruction	MIAMIFDN	TO EXPAND THE FIRST AMENDMENT CLINIC'S LOCAL JOURNALISM PROJECT	91048	\$400,000
JOACHIMS, THORSTEN	Computer Science	NSF	III: MEDIUM: COLLABORATIVE RESEARCH: COUNTERFACTUAL LEARNING AND EVALUATION FOR INTERACTIVE INFORMATION SYSTEMS	88182	\$238,330
JOO, YONG L	Chemical & Biomolecular Engineering	MERCK KGAA	DEFECT ANALYSIS AND 3D LER/LWR ANALYSIS FOR DIRECTED ASSEMBLY IN BLOCK COPOLYMER LITHOGRAPHY	90467	\$100,000
JUELS, ARI	JTC Research	NSF	NSF-BSF:SATC:CORE:SMALL:BLOCKCHAIN FAIRNESS	89714	\$499,999
JUNG, SUNGHWAN	CALS Biological & Environmental Engr	NSF (NSF ENG)	COLLABORATIVE RESEARCH: BUBBLE IMPACTING A CURVED SURFACE: A SUSTAINABLE WAY TO SANITIZE PRODUCE	89168	\$203,242
KAO-KNIFFIN, JENNY T	CALS School of Integrative Plant Science	N. CAR ST U	FEED THE CROP, NOT THE WEEDS: INTEGRATING A MICROBIOME APPROACH TO PRECISION AGRICULTURE (FFAR FELLOWSHIP)	90247	\$165,000
KAWATE, TOSHIMITSU	Molecular Medicine	DHHS (NIH-NIH NIGMS)	STRUCTURE AND FUNCTION OF PANNEXINS: ACTIVATION MECHANISM	73874	\$98,958

KIM, EUN-AH	Lab. of Atomic & Solid State Physics	NSF (NSF CISE)	COLLABORATIVE RESEARCH: UNDERSTANDING SUBATOMIC-SCALE QUANTUM MATTER DATA USING MACHINE LEARNING TOOLS	90026	\$1,211,285
KNUTH, BARBARA A	Graduate School Financial Aid	NSF	GRADUATE RESEARCH FELLOWSHIP PROGRAM (GRFP)	81023	\$911,499
LAI, DONG	Center Astrophysics-Planetary Science	NASA	NONLINEAR TIDAL DISSIPATION IN BINARY WHITE DWARFS	89233	\$135,000
LAMBERT, GUILLAUME	Applied & Engineering Physics	DHHS (NIH-NIH NIGMS)	METABOLIC CONTROL OF PERSISTENCE IN INDIVIDUAL BACTERIA	88133	\$1,986,665
LEWIS, NIKOLE K.	Center Astrophysics-Planetary Science	NASA (NSSC)	A COMMUNITY TOOL FOR COMPUTING, VISUALIZING, AND MANIPULATING MOLECULAR & ATOMIC OPACITIES	88833	\$203,354
LIN LAWELL, C.-Y. CYNTHIA CYNTHIA	CALS AEM	USDA (USDA-NIFA)	INFEWS/T1: AGRICULTURAL-TO-ENERGY LAND USE TRANSITIONS: A FEW SYSTEM MODELING FRAMEWORK	88220	\$2,412,490
LOEB, GREGORY M	CALS Entomology	USDA (USDA-NIFA)	DISCOVERY AND DEPLOYMENT OF REPELLENTS FOR MANAGING SPOTTED WING DROSOPHILA	89871	\$324,775
LOREDO, THOMAS	Center Astrophysics-Planetary Science	NASA (NSSC)	GRB PULSE DECOMPOSITION VIA BAYESIAN DROPLETS	90726	\$69,999
MA, MINGLIN	CALS Biological & Environmental Engr	HARTWELL FDN	HARTWELL FELLOWSHIP (DANIEL BOWERS)	91057	\$100,000
MANNING, STURT	Classics	US INTERIOR (NPS)	CONDUCT GEOPHYSICAL SUB-SURFACE RESOURCE SURVEY AT ALASKA'S NATIONAL PARKS	79944	\$37,411
MARCH, JOHN	CALS Biological & Environmental Engr	DHHS (NIH-NIH NIBIB)	BUILDING AND VALIDATING A NOVEL FLUIDIC MODEL OF THE SMALL INTESTINE	87301	\$431,750
MATTESON, DAVID S	Social Statistics	NSF (NSF CISE)	COLLABORATIVE PROPOSAL: HDR TRIPODS: FOUNDATIONS OF GREATER DATA SCIENCE	90093	\$685,835
MATTESON, DAVID S	Social Statistics	NSF (NSF CISE)	COLLABORATIVE RESEARCH: ATOMIC LEVEL STRUCTURAL DYNAMICS IN CATALYSTS	90551	\$331,001
MATTESON, DAVID S	Social Statistics	NSF (NSF CISE)	COLLABORATIVE RESEARCH: PREDICTIVE RISK INVESTIGATION SYSTEM (PRISM) FOR MULTI-LAYER DYNAMIC INTERCONNECTION ANALYSIS	90549	\$734,697
MAXSON, JARED MICHAEL	Cornell Lab Accelerator Sciences & Ed	DOE	CONTROL OF BRIGHT ELECTRON BEAMS AT SMALL SPATIOTEMPORAL SCALES FOR PROBING MATERIALS FAR FROM EQUILIBRIUM	89110	\$750,000
MAZOUREK, MICHAEL	CALS School of Integrative Plant Science	U OF VERMONT	CHARACTERIZATION OF DIVERSITY IN TRADITIONAL NORTHEASTERN DRY BEAN VARIETIES AND POTENTIAL FOR GENETIC IMPROVEMENT	90069	\$14,932
MCFADDEN, JOSEPH W.	CALS Animal Science	ELANCO US	RESEARCH SERVICES AGREEMENT	89667	\$65,000
MOLNAR, ALYOSHA	Electrical & Computer Engineering	COLUMBIA U	EMBEDDED PHOTONICS ULTRA-BANDWIDTH DENSE OPTICAL INTERCONNECT	89156	\$850,000
MOSES, JEFFREY A	Applied & Engineering Physics	DOE	OPTICAL MEASUREMENTS OF REACTION PATHWAY AND CONICAL INTERSECTION SEAM TOPOGRAPHY DURING PHOTOINDUCED NONADIABATIC TRANSITIONS: RESOLVING THE STRUCTURE UNDERLYING FEMTOSECOND ENERGY FLOW	88941	\$450,000
MULLER, DAVID A	Applied & Engineering Physics	GM	HIGHLY-ACCESSIBLE CATALYSTS FOR DURABLE HIGH-POWER PERFORMANCE	76832	\$150,000
NICHOLSON, PHILIP D	Center Astrophysics-Planetary Science	NASA (NSSC)	STELLAR OCCULTATION STUDIES OF SATURN'S ATMOSPHERE	89564	\$135,000
NIEMACK, MICHAEL D	Cornell Lab Accelerator Sciences & Ed	LBNL	COSMIC MICROWAVE BACKGROUND STAGE 4 (CMB-S4) DATA MANAGEMENT AND SURVEY STRATEGIES	90586	\$145,207
O'BRIEN, KIMBERLY	Nutritional Sciences	DHHS (NIH-NIH NIDDK)	ETHNIC DIFFERENCES IN IRON ABSORPTION	88231	\$50,000
OBER, CHRISTOPHER K	Materials Science Engineering	NSF	DMREF: PAIRED IONIC-ELECTRONIC CONDUCTIVITY IN SELF-ASSEMBLING CONJUGATED ROD-IONIC COIL SEGMENTED COPOLYMERS AND MESOGENS WITH IONIC LIQUID UNITS	89019	\$1,625,006
ORR, DAVID P	CALS Biological & Environmental Engr	PURDUE	IMPROVED RELIABILITY OF FWD TESTS RESULTS AND CORRELATION WITH RESILIENT MODULUS	89727	\$30,000

PARRISH, COLIN R	Baker Institute for Animal Health	DHHS (NIH-NIH NIAID)	STRUCTURAL CONTROLS OF FUNCTIONAL RECEPTOR AND ANTIBODY BINDING TO VIRAL CAPSID	81060	\$122,891
PETERS, JOSEPH	CALS Microbiology	DHHS (NIH)	CRISPR/CAS-DIRECTED TRANSPOSITION IN TN7-LIKE ELEMENTS	88620	\$1,206,074
PETERSEN, KIRSTIN HAGELSKJAER	Electrical & Computer Engineering	NSF	EAGER: COLLABORATIVE RESEARCH: CREATION OF ACTIVE GRANULAR MATERIALS AND STUDY OF EMERGENT PROPERTIES	89791	\$150,000
PETHYBRIDGE, SARAH J	CALS School of Integrative Plant Science	USDA (USDA-NIFA)	BUILDING RESILIENT FOLIAR DISEASE MANAGEMENT STRATEGIES FOR THE ORGANIC TABLE BEET INDUSTRY	90024	\$500,000
PRITCHARD, MATTHEW	Earth & Atmospheric Sciences	NASA	INTEGRATING SATELLITE INSAR AND GROUND OBSERVATIONS INTO SELF-CONSISTENT THERMO-MECHANICAL MODELS OF AN EVOLVING TRANS-CRUSTAL MAGMA SYSTEM	89078	\$135,000
PRITTS, MARVIN P	CALS School of Integrative Plant Science	U OF VERMONT	BASKETS TO PALLETS II: ESTABLISHING A NYS LEADERSHIP TEAM OF WHOLESALE MARKETING SPECIALISTS	90690	\$55,555
RATHBUN, LYNN C	NanoScale Science & Technology Facility	GEORGIA TECH	SUPPORT FOR NNCI REU CONVOCATION AND INTERNATIONAL REU PROGRAM	90579	\$73,000
REED, PATRICK M	Civil & Environmental Engineering	DOD (ARMY-ACE)	DESIGN AND SCOPING FOR SERIOUS GAMING FRAMEWORK	91001	\$80,000
RICE, AARON N	CALS Lab of O - Programs	HDR	LONG-RANGE SOUND MEASUREMENTS OF THE MARYLAND METEOROLOGICAL TOWER INSTALLATION	87438	\$2,490
RIECHERS, DOMINIK A	Center Astrophysics-Planetary Science	NSF (NSF MPS)	COLDZ II: ULTRA-DEEP IMAGING OF THE COLD GAS HISTORY OF THE UNIVERSE	88764	\$448,749
ROBINSON, ORIN JOSEPH	CALS Lab of O - Administration	US INTERIOR (USFW)	INTEGRATING EBIRD RELATIVE ABUNDANCE DATA WITH POPULATION SIZE DATA TO PRODUCE SPATIALLY EXPLICIT ESTIMATES OF EAGLE DENSITY	90566	\$129,710
RODEWALD, AMANDA D	Atkinson Center for a Sustainable Future	ASI BURSARY	LEVERAGING SEABIRD DIET DATA FOR THE SUSTAINABLE MANAGEMENT OF COASTAL ECOSYSTEMS	90517	\$481
ROSE, JOCELYN	CALS School of Integrative Plant Science	USDA	CHARACTERIZATION OF FRUIT RIPENING AT THE TISSUE AND CELLULAR LEVEL	91305	\$237,674
RUDD, BRIAN D	Microbiology and Immunology	DHHS (NIH-NIH NIAID)	THE DEVELOPMENTAL LAYERS IN THE CD8+ T CELL RESPONSE TO CHRONIC INFECTION	88676	\$1,911,949
RUIZ-GUTIERREZ, VIVIANA	CALS Lab of O - Programs	RIWC	THE HOUBARA RESEARCH FUND - COLLABORATION AGREEMENT BETWEEN THE CORNELL LAB OF ORNITHOLOGY AND RENECO	90597	\$220,000
SAWADA SIMOES COSTA, MARCOS	CALS Molecular Biology & Genetics	DHHS (NIH)	SPATIAL CONTROL OF PATTERN FORMATION IN EARLY VERTEBRATE DEVELOPMENT	88068	\$2,355,000
SCANLON, MICHAEL J	CALS School of Integrative Plant Science	NSF (NSF EHR)	NRT-HDR & ROL: TEAM TRAINING TO DEVELOP NEW HARDWARE AND SOFTWARE APPLICATIONS FOR DIGITAL PLANT SCIENCE ACROSS MULTIPLE SCALES	88894	\$2,998,051
SCHAFFER, CHRIS	Biomedical Engineering	OSI	AN OPTOGENETIC BRAIN IMPLANT WITH EEG MONITORING AND RESPONSE FOR MICE: SBIR - PHASE I	89743	\$61,212
SELVARAJ, VIMAL	CALS Animal Science	U OF VERMONT	MAXIMIZING COLOSTRUM'S BENEFITS AND REDUCING ANTIBIOTIC USE THROUGH PHYSIOLOGICAL FEEDING MANAGEMENT OF DAIRY CALVES	90087	\$14,877
SENGERS, PHOEBE	Information Science	NSF	CHS: SMALL: COLLABORATIVE RESEARCH: RECONSTRUCTING THE DATA-DRIVEN WORKPLACE	88337	\$183,809
SETHI, SURESH ANDREW	CALS Natural Resources	APU	MODELING FISHING ACTIVITY AND FISHING GEAR MODIFICATION DYNAMICS FOR BENTHIC ECOSYSTEMS: DEVELOPMENT AND TESTING FOR ALASKAN WATERS	90627	\$35,323
SHULMAN, ZACHARY J	CALS Office of the Dean	BLACKSTONE	BLACKSTONE LAUNCHPAD EXTENSION AGREEMENT	90460	\$75,000

SKOVIRA, JOSEPH FRANCIS	Electrical & Computer Engineering	NSF (NSF ENG)	IMPROVE DAIRY HERD MANAGEMENT THROUGH IOT SYSTEM THAT MONITORS INDIVIDUAL DRY MATTER INTAKE AND HEALTH STATUS	90705	\$50,000
SMALLIDGE, PETER	CALS Natural Resources	USDA (AMS)	EXPANDING KNOWLEDGE FOR THE EFFICIENT AND PROFITABLE PRODUCTION OF QUALITY MAPLE SYRUP AND VALUE-ADDED PRODUCTS	90101	\$481,403
SMART, CHRISTINE D	CALS School of Integrative Plant Science	U OF VERMONT	IDENTIFYING TOMATO VARIETIES WITH RESISTANCE TO CURRENT AGGRESSIVE STRAINS OF THE LEAF MOLD PATHOGEN	90067	\$14,797
SMART, LARRY B	CALS School of Integrative Plant Science	NYS (ESD)	OPTIMIZED INDUSTRIAL HEMP PROJECTION IN NEW YORK	90512	\$400,000
SMART, LARRY B	CALS School of Integrative Plant Science	USDA (ARS NEA)	DOCUMENTATION, EVALUATION AND CHARACTERIZATION OF INDUSTRIAL HEMP GERMPASM	90931	\$207,500
SNOVER-CLIFT, KAREN L	CALS School of Integrative Plant Science	USDA (USDA APHIS)	PLANT DIAGNOSTIC LABORATORY ACCREDITATION TRAININGS ON QUALITY MANAGEMENT AND OF EXTERNAL AUDITORS, EXTERNAL AUDITOR WORKSHOP	88091	\$117,624
SNOVER-CLIFT, KAREN L	CALS School of Integrative Plant Science	USDA (USDA APHIS)	PHYTOPHTHORA RAMORUM PROGRAM DIAGNOSTICS FOR APHIS FUNDED TRACE SURVEY/REGULATORY INCIDENTS	91000	\$13,000
SNYDER, ABIGAIL B	CALS Food Science	OHIO ST U	SANITATION PROCEDURE OPTIMIZATION FOR CONTROL OF POLYCULTURE BIOFILMS	91023	\$54,790
SNYDER, ABIGAIL B	CALS Food Science	USDA (USDA-NIFA)	FOOD SAFETY MANAGEMENT AND DOCUMENT DEVELOPMENT FOR PCHF RULE QUALIFIED EXEMPTION-ELIGIBLE FOOD FACILITIES	90353	\$400,000
SORRELLS, MARK E	CALS School of Integrative Plant Science	USDA (USDA-NIFA)	VALUE-ADDED GRAINS FOR LOCAL AND REGIONAL FOOD SYSTEMS II	90031	\$47,629
SPITZ, JUDITH ANN	Tech Research	COGNIZANT US FOUNDATION	WITNY MULTI-CITY EXPANSION	91229	\$5,286,000
STANHOPE, MICHAEL J	Population Medicine & Diagnostic Science	NOVA SOUTHEASTERN UNIVERSITY	GREAT HAMMERHEAD GENOME AND COMPARATIVE EVOLUTIONARY GENOMIC ANALYSES	89633	\$75,000
STEENHUIS, TAMMOS	CALS Biological & Environmental Engr	USDA (ARS)	MICRONUTRIENT BIOAVAILABILITY OF FOODS	80784	\$49,000
STEWART, CRYSTAL L	CALS Cornell Cooperative Extension	U OF VERMONT	POSTHARVEST HANDLING OF GARLIC FOR CONTROL OF PESTS AND DISEASE	89952	\$29,968
STOVER, PATRICK J	Nutritional Sciences	DHHS (NIH)	FOLATE-P53 INTERACTIONS IN NEURAL TUBE DEFECTS	82168	\$885
STUP, RICHARD	CALS School of Integrative Plant Science	NYS (AGMRKT)	CORNELL FARM LABOR LAW SPECIALIST (2019-2020)	90252	\$200,000
TOBIN, JOHN	CALS AEM	NATURE CONSERVANCY	COALITION FOR PRIVATE INVESTMENT IN CONSERVATION (CPIC)	90977	\$50,000
TONG, LANG	Electrical & Computer Engineering	ARIZONA STATE U	PSERC- T-63 PROJECT	91276	\$35,000
TONG, LANG	Electrical & Computer Engineering	NSF	CPS:MEDIUM: COLLABORATIVE RESEARCH: HIGH-FIDELITY HIGH-RESOLUTION MONITORING AND CONTROL OF FUTURE GRIDS: A SYNERGY OF AI, DATA SCIENCE, AND HARDWARE SECURITY	89663	\$750,000
TONG, LANG	Electrical & Computer Engineering	ARIZONA STATE U	PSERC- M 39 PROJECT	89012	\$35,000
TOWNSEND, ALEX J	Mathematics	FACE FOUNDATION	MATRIX EQUATIONS FOR BIG DATA COMPRESSION	89538	\$9,475
TUFAN, HALE A	CALS International Programs	USAID	FEED THE FUTURE INNOVATION LAB FOR CROP IMPROVEMENT	89915	\$29,000,000
WALCER, LOUIS	Institute Biotechnology & Life Science	FUZEHUB	INSTRUMENTATION FOR APPLICATION OF IONLYME, A SERS-BASED LYME DISEASE ASSAY, IN A CLINICAL SETTING	90227	\$35,000
WARNER, DEREK H	Civil & Environmental Engineering	TDA	OPTIMIZE ADDITIVE MANUFACTURING(AM)POST-BUILD HEAT TREATMENT (HT)& HOT ISO-STATIC PRESSING(HIP) PROCESSES FOR FATIGUE PERFORMANCE USING AN INTEGRATED COMPUTATIONAL MATERIALS ENG.(ICME)FRAMEWORK: SBIR: SBIR PHASE II FROM PHASE I PROJECT (OSP 83929)	87526	\$322,483

WARNER, DEREK H	Civil & Environmental Engineering	NSF	DMREF/COLLABORATIVE RESEARCH: LOW COST, HIGH STRENGTH AND DUCTILE MG ALLOYS	89169	\$450,000
WENTZEL, DAVID C	Cornell Health	CILP	THE EPIDEMIOLOGY OF CONCUSSIONS IN IVY LEAGUE SPORTS: A WEB-BASE SURVEY	72563	\$2,000
WHITE, ANDREW C	Biomedical Sciences	DHHS (NIH-NIH NIAMS)	REGULATORS OF MELANOCYTE STEM CELL MIGRATION AND MELANOMA INITIATION IN RESPONSE TO CUTANEOUS UVB IRRADIATION	88266	\$331,842
WICKINGS, KYLE G	CALS Entomology	U OF VERMONT	ELUCIDATING THE ROLE OF MICROARTHROPODS IN NITROGEN CYCLING	90080	\$14,715
WIEDMANN, MARTIN	CALS Food Science	MARS	ASSESSMENT OF SALMONELLA DETECTION METHODS PART III	76302	\$13,000
WIEDMANN, MARTIN	CALS Food Science	USDA (USDA-NIFA)	A SYSTEMS APPROACH TO IMPROVE QUALITY AND SHELF LIFE OF ORGANIC DAIRY PRODUCTS FOR DOMESTIC AND EXPORT MARKETS	90033	\$2,000,000
WILLETT, DENIS S	CALS Entomology	U OF VERMONT	BIOLOGICAL CONTROL OF CHESTNUT WEEVIL	89934	\$29,684
WILLIAMS, AMY L	CALS Biology Stats & Computational Biol	DHHS (NIH)	SCALABLE METHODS FOR THE CHARACTERIZATION AND ANALYSIS OF FAMILIES IN LARGE GENOMIC DATASETS	88288	\$1,788,650
WISE, FRANK W	Applied & Engineering Physics	NSF	SPATIOTEMPORAL DYNAMICS OF MULTIMODE OPTICAL PULSE PROPAGATION: ROUTE TO HIGH-PERFORMANCE ULTRAFAST LASERS	88810	\$377,282
WITTICH, PETER	Cornell Lab Accelerator Sciences & Ed	PRINCETON U	S212: INSTITUTE FOR RESEARCH AND INNOVATION IN SOFTWARE FOR HIGH ENERGY PHYSICS (IRIS-HEP)	86759	\$186,804
WREGG, 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	91283	\$23,650
XING, HUILI GRACE	Electrical & Computer Engineering	NSF	E2CDA: TYPE I: DURABLE, ENERGY-EFFICIENT, PAUSABLE PROCESSING IN POLYMORPHIC MEMORY (DEEP3M)	83017	\$39,937
XU, CHRIS (CHUNHUI)	Applied & Engineering Physics	DHHS (NIH-NIH NINDS)	CLOSE-LOOP, SPATIALLY ADDRESSABLE MULTIPHOTON FUNCTIONAL IMAGING	88390	\$2,015,337
YU, HAIYUAN	Weill Institute	DANA-FARBER	INTERFACE-RESOLUTION DOMAIN-DOMAIN INTERACTOME MAP OF THE YEAST COMPLEXOME	85972	\$526,240
ZHANG, SHENG	Institute Biotechnology & Life Science	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES, RESEARCH SUPPORT AGREEMENT 58-8062-9-009	91032	\$46,200
ZHANG, SHENG	Institute Biotechnology & Life Science	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES, RESEARCH SUPPORT AGREEMENT 58-8062-9-009	91032	\$11,000
ZIMMERMAN, RAY D	CALS AEM	NSF (NSF CISE)	ELEMENTS: MATPOWER FOR INTEGRATED SMART GRID RESEARCH AND EDUCATION	89829	\$600,000