

**Cornell University, Office of Sponsored Programs
Awards Received in September 2018**

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
ABBASPOURRAD, ALIREZA	CALS Food Science	TATE	METHODS TOWARDS THE HETEROGENEOUS FUNCTIONALIZATION OF STARCH GRANULES	82974	\$150,000
ABBOTT, NICHOLAS	Chemical & Biomolecular Engineering	NSF	BIGDATA: IA: COLLABORATIVE RESEARCH: DATA-DRIVEN, MULTI-SCALE DESIGN OF WEARABLE LIQUID-CRYSTAL SENSORS FOR MONITORING HUMAN EXPOSURE AND AIR QUALITY	86936	\$656,531
ABERS, GEOFFREY A	Earth & Atmospheric Sciences	NSF	COLLABORATIVE RESEARCH: STRUCTURE AND DYNAMICS OF THE ALASKA MANTLE WEDGE	86057	\$221,073
ACIMOVIC, SRDAN GORAN	CALS School of Integrative Plant Science	USDA (FOREST)	EVALUATION OF THE ORIGIN, EPIDEMIOLOGY, AND FUNGICIDE USE IN CONTROLLING DIPLODIA CORTICOLA, A NEW PATHOGEN OF RED OAK	87248	\$7,250
AGNELLO, ARTHUR M	CALS Entomology	MBI	SPONSORED PRODUCT TESTING AGREEMENT	87985	\$4,384
AGNELLO, ARTHUR M	CALS Entomology	N. CAR ST U	MANAGEMENT OF THE BROWN MARMORATED STINK BUG IN US SPECIALTY CROPS	79580	\$572,865
ANDERSON, ADAM	Human Development	DHHS (NIH)	CANARY IN A COAL MINE: LOCUS COERULEUS, NOREPINEPHRINE SIGNALING AND DEMENTIA	85606	\$2,136
ANDERSON, CATHERINE L	CALS Biological & Environmental Engr	NSF (NSF ENG)	PLANNING GRANT: ENGINEERING RESEARCH CENTER FOR SUSTAINABLE ENERGY SMART SOLUTIONS (SUESS)	87200	\$100,000
ANDO, NOZOMI	Chemistry and Chemical Biology	DHHS (NIH)	PROTEIN ALLOSTERY AND CATALYSIS BEYOND BRAGG DIFFRACTION	87370	\$1,548,157
AUGUST, AVERY	Microbiology and Immunology	DHHS (NIH-NIH NIAID)	A NOVEL MURINE MODEL OF ALLERGIC AIRWAY INFLAMMATION.	85676	\$443,292
BAIRD, BARBARA A	Chemistry and Chemical Biology	DHHS (NIH-NIH NIGMS)	HIGH RESOLUTION CHARACTERIZATION OF RECEPTOR SIGNALING AND REGULATION	76212	\$50,109
BANERJEE, SIDDHARTHA	Operations Research & Information Engr	NSF (NSF MPS)	TRIPODS+X:RES: COLLABORATIVE RESEARCH: THE FUTURE OF THE ROAD - A DATA-DRIVEN REDESIGN OF THE URBAN TRANSIT ECOSYSTEM	86816	\$425,000
BARRETT, CHRISTOPHER	Atkinson Center for a Sustainable Future	NATURE CONSERVANCY	NATURENET SCIENCE FELLOWS PROGRAM (JOHANNE PELLETIER - YEAR 2)	87131	\$46,000
BASKIN, JEREMY M	Weill Institute	DHHS (NIH-NIH NIGMS)	PHOSPHOINOSITIDE-BINDING PROTEINS AS REGULATORS OF UBIQUITINATION AND WNT SIGNALING	85795	\$1,544,318
BATT, CARL A	CALS Food Science	IFYBER	DEVELOPMENT AND VALIDATION OF A LAMP BASED ASSAY FOR TOTAL COLIFORMS	88122	\$220,687
BERGSTROM, GARY C	CALS School of Integrative Plant Science	USDA (ARS)	IMMUNITY TO POTATO CYST NEMATODES	81321	\$50,000
BERGSTROM, GARY C	CALS School of Integrative Plant Science	USDA (ARS)	INTEGRATED MANAGEMENT OF FHB AND DON IN WINTER WHEAT IN NEW YORK	88165	\$11,853
BERGSTROM, GARY C	CALS School of Integrative Plant Science	USDA (ARS)	MECHANISMS OF COMPATIBLE AND INCOMPATIBLE INTERACTIONS BETWEEN POTATO AND POTATO CYST NEMATODES	80770	\$145,820
BERGSTROM, GARY C	CALS School of Integrative Plant Science	USDA (ARS)	MOLECULAR MECHANISMS REGULATING POLEROVIRUS MOVEMENT IN PLANTS AND APHIDS	80638	\$108,847
BIHN, ELIZABETH	CALS Food Science	USDA (AMS)	CONTINUATION OF THE PRODUCE SAFETY ALLIANCE (FEDERAL FISCAL YEARS 2018 THROUGH 2022)	87620	\$1,825,000
BLACKBURN, ANNE M	South Asia Program	US DEPT OF EDU (OERI)	CORNELL-SYRACUSE NRC COMPREHENSIVE CONSORTIUM	87309	\$968,000
BLACKBURN, ANNE M	South Asia Program	US DEPT OF EDU (OERI)	CORNELL-SYRACUSE FLAS COMPREHENSIVE CONSORTIUM	88039	\$486,000

BOGDANOWICZ, STEVEN M	CALS Ecology & Evolutionary Biology	USDA (USDA APHIS)	DEVELOPMENT OF GENOMIC MARKERS TO DISTINGUISH ASIAN GYPSY MOTH FROM CHINA, RUSSIA AND KOREA, AND SPATIAL GENETIC STRUCTURE IN ASIAN LONGHORN BEETLES BETWEEN INVASIVE AND NATIVE POPULATIONS	87460	\$203,911
BRAZIER, ADAM	Center for Advanced Computing	NSF (NSF CISE)	COLLABORATIVE RESEARCH: CONCEPTUALIZATION OF A SCALABLE CYBERINFRASTRUCTURE CENTER FOR MULTI-MESSENGER ASTROPHYSICS	87296	\$23,301
BRETSCHER, ANTHONY P	Weill Institute	DHHS (NIH-NIH NIGMS)	MICROFILAMENT ORGANIZATION AND REGULATION	77280	\$60,000
BUTCHER, JONATHAN T	Biomedical Engineering	MEDTRONIC INC	BIOMANUFACTURING OF HEART VALVES	87101	\$50,000
BUTCHER, JONATHAN T	Biomedical Engineering	DHHS (NIH-NIH NHLBI)	ENDOTHELIAL-INTERSTITIAL INTERACTIONS IN AORTIC VALVE HOMEOSTASIS AND DISEASE	84908	\$410,000
CAMPBELL, DONALD B	Center Astrophysics-Planetary Science	BYU	ALPACA: ADVANCED CRYOGENIC L-BAND PHASED ARRAY CAMERA FOR THE ARECIBO RADIO TELESCOPE	77853	\$2,696,849
CAMPBELL, MARK	Mechanical & Aerospace Engineering	NSF	NRI: FND: PROBABILISTIC HYPOTHESIS DRIVEN, ADAPTING, HUMAN-ROBOT TEAMS	86098	\$663,869
CERIONE, RICHARD A	Molecular Medicine	DHHS (NIH-NIH NCI)	THE ROLE OF LYSOSOMAL DEREGLATION IN CANCER PROGRESSION	86231	\$83,508
CHANG, YUNG-FU	Population Medicine & Diagnostic Science	WCM	ANTI-FUSOBACTERIUM NUCLEATUM VACCINE FOR COLORECTAL CANCER: TASK #01: EVALUATION OF IMMUNOGENICITY AND EFFICACY OF FN VACCINES IN MOUSE MODELS OF FAP AND LYNCH SYNDROME	80898	\$302,760
CHEETHAM, JONATHAN	Clinical Sciences	DHHS (NIH-NIH NIDCD)	MANIPULATING MACROPHAGE PHENOTYPE TO ACCELERATE RECURRENT LARYNGEAL NERVE REPAIR	84880	\$1,962,500
CHOU DHURY, TANZEEM K	Information Science	NSF	FW-HTF THEME 2: COLLABORATIVE RESEARCH: ENHANCE COGNITIVE ABILITY AND PERFORMANCE VIA CIRCADIAN RHYTHM AWARE EMBODIED ASSISTANT	87030	\$589,885
COHN, ABIGAIL C	South East Asia Program	US DEPT OF EDU	NATIONAL RESOURCE CENTER AND FOREIGN LANGUAGE AND AREA STUDIES FELLOWSHIP PROGRAM FOR SOUTHEAST ASIA	88040	\$1,206,000
COHN, ABIGAIL C	South East Asia Program	US DEPT OF EDU	NATIONAL RESOURCE CENTER AND FOREIGN LANGUAGE AND AREA STUDIES FELLOWSHIP PROGRAM FOR SOUTHEAST ASIA	87332	\$1,081,328
COLLINS, LANCE	Dean and Associate Deans	NSF	I-CORPS NODE: UPSTATE NY ALLIANCE FOR ENTREPRENEURIAL INNOVATION	79546	\$178,230
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	\$511,997
COWEN III, EDWIN A	Civil & Environmental Engineering	ESA	INFRARED REMOTE SENSING OF METRICS OF RIVER FLOW	87046	\$226,458
DANDO, ROBIN	CALS Food Science	TAKASAGO (TAKASAG US)	TOMATO COCKTAIL QUALITATIVE RESEARCH	88118	\$10,046
DANFORTH, BRYAN N	CALS Entomology	U OF VERMONT	WILD BEES IN THE TREES: POLLEN ANALYSES TO DETERMINE WILD BEE FORAGING IN EARLY SPRING CANOPIES	86905	\$14,912
DANKO, CHARLES G	Baker Institute for Animal Health	NASA (NSSC)	POL II PAUSING AS A MILESTONE ON THE ROAD TO COMPLEX ANIMALS	84502	\$791,393
DAUGHTREY, MARGERY L	CALS School of Integrative Plant Science	USDA (ARS)	DISCOVERY AND MANAGEMENT OF DISEASES OF FLORICULTURE CROPS	88014	\$72,674
DE JONG, WALTER	CALS School of Integrative Plant Science	USDA (ARS)	IDENTIFYING NOVEL POTATO GERMLASM WITH RESISTANCE AGAINST CYST NEMATODE AND DICKEYA PATHOGENS	84783	\$3,000
DE JONG, WALTER	CALS School of Integrative Plant Science	USDA (ARS)	DEVELOPMENT AND RELEASE OF GOLDEN NEMATODE RESISTANT POTATOES	77933	\$141,450
DE JONG, WALTER	CALS School of Integrative Plant Science	U OF MAINE	POTATO BREEDING AND VARIETY DEVELOPMENT FOR IMPROVED QUALITY AND PEST RESISTANCE IN THE EASTERN UNITED STATES	82086	\$90,923

DERRY, LOUIS A	Earth & Atmospheric Sciences	NSF (NSF GEO)	DEVELOPMENT OF A CRITICAL ZONE OBSERVATORY NATIONAL OFFICE	71423	\$279,999
DICHTEL, WILLIAM	Chemistry and Chemical Biology	DOD (ARMY-ARO)	THE CENTER FOR ADVANCED 2D ORGANIC NETWORKS	76091	\$500,000
DITOMMASO, ANTONIO	CALS School of Integrative Plant Science	USDA (ARS)	DEMOGRAPHY OF WEEDS IN THE NORTHEAST	77947	\$36,229
DOERSCHUK, PETER	Electrical & Computer Engineering	DOD (DARPA)	THE PHYSICS OF ARTIFICIAL INTELLIGENCE (PAI)	87657	\$679,302
DUDLEY, MARY JO	CALS Development Sociology	NYIC	MEMORANDUM OF UNDERSTANDING BETWEEN THE NEW YORK IMMIGRATION COALITION ("NYIC") AND CORNELL FARMWORKER PROGRAM	87039	\$25,000
ELVINGER, FRANCOIS	Animal Health Diagnostic Center	USDA (USDA-NIFA)	NAHLN - NATIONAL ANIMAL HEALTH DIAGNOSTIC LABORATORY	88156	\$328,000
ENNS, PETER	Roper Flow Through	RWJF	DEVELOPING A HEALTH PUBLIC OPINION DATABASE	87585	\$1,425,350
ERICKSON, DAVID C	Mechanical & Aerospace Engineering	WCM	NOVEL PHENOTYPIC ASSAY FOR DETERMINING ANTIBIOTIC SUSCEPTIBILITY OF NEISSERIA GONORRHOEAE	85984	\$42,192
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	\$46,024
EVANEGA, SARAH N	CALS International Programs	GATES FDN	REINVESTMENT: ALLIANCE FOR SCIENCE	83578	\$1,037,971
EVANEGA, SARAH N	CALS International Programs	GATES FDN	IMPROVING MANAGEMENT OF KNOWLEDGE, LEARNING AND DATA AND INCREASING DISSEMINATION OF RESULTS FOR BMGF ROOT AND TUBER CROP VIRUS AND PEARL GRANTS	77733	\$1,200,060
FORTIER, LISA	Clinical Sciences	ARTHREX, INC.	ADHERENCE OF BIOCARTILAGE AND THROMBINATOR THROMBIN/PLATELET POOR PLASMA (PPP) GRAFT IN AN EQUINE MODEL OF CARTILAGE REPAIR	87760	\$91,880
FOSTER, J NATE	Computer Science	PRINCETON U	DARPA DISPERSED COMPUTING BAA-16-41 TA2	86246	\$484,500
FROMME, CHRIS	Weill Institute	DHHS (NIH-NIH NIGMS)	REGULATION OF RAB ACTIVATION AT THE GOLGI COMPLEX	75940	\$50,000
FROMME, CHRIS	Weill Institute	DHHS (NIH-NIH NIGMS)	REGULATION OF ARF GTPASE ACTIVATION AT THE GOLGI COMPLEX	79477	\$50,000
FUCHS, GREGORY D	Applied & Engineering Physics	DOE	COHERENT SPIN-MAGNON COUPLING FOR QUANTUM-TO-QUANTUM TRANSDUCTION	86840	\$1,500,000
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	\$130,572
FUCHS, MARC	CALS School of Integrative Plant Science	USDA (USDA APHIS)	NEW TRAINING AND OUTREACH RESOURCES FOR FIRST DETECTORS AND EDUCATORS	84541	\$87,221
GEORGIEVA, ELKA R	Chemistry and Chemical Biology	U OF NEBRASKA	NEW NITROXIDE SPIN LABELS FOR DISTANCE MEASUREMENTS IN BIOLOGICAL SYSTEMS	87213	\$77,412
GOLDBERG, JESSE H	Neurobiology and Behavior	DYSTONIA MED	MACHINE LEARNING GUIDED DEEP BRAIN STIMULATION TO CURE NEUROLOGICAL DISEASE	85548	\$170,000
GOODMAN, LAURA B	Population Medicine & Diagnostic Science	DHHS (FDA)	CAPACITY FOR ANTIBIOTIC SUSCEPTIBILITY TESTING AND BACTERIAL SEQUENCING AT CORNELL AHDC	87376	\$24,391
GORE, MICHAEL A	CALS School of Integrative Plant Science	USDA (ARS)	RNASEQ TO ACCELERATE OAT BREEDING FOR NUTRITIONAL QUALITY	77732	\$24,702
GRAVANI, ROBERT B	CALS Food Science	SPECIALTY FOOD	DEVELOPMENT OF TRAINING AND CERTIFICATION PROGRAM FOR SPECIALTY FOOD BUYERS	86575	\$145,000
GRUNER, SOL M	Lab. of Atomic & Solid State Physics	FEI	IFEI EM-PAD (PHASE 1 & 2 & 4)	79321	\$893,132
GU, APRIL	Civil & Environmental Engineering	HRSD	COMBINING NITRITE-SHUNT/ANAMMOX PROCESSES WITH SIDE-STREAM EBPR PROCESS FOR SIMULTANEOUS AND SUSTAINABLE NITROGEN AND PHOSPHORUS REMOVAL	87640	\$55,000
GU, APRIL	Civil & Environmental Engineering	NORTHEASTERN U	CENTER FOR RESEARCH ON EARLY CHILDHOOD EXPOSURE AND DEVELOPMENT IN PUERTO RICO (CRECE) ADMIN CORE	87648	\$24,105

GU, APRIL	Civil & Environmental Engineering	NORTHEASTERN U	CENTER FOR RESEARCH ON EARLY CHILDHOOD EXPOSURE AND DEVELOPMENT IN PUERTO RICO (CRECE) PROJECT 2	88080	\$67,793
HAJEK, ANN E	CALS Entomology	USDA (USDA APHIS)	INVESTIGATING ENTOMOPATHOGENIC FUNGI FOR CONTROL OF SPOTTED LANTERNFLIES	87436	\$10,000
HAJEK, ANN E	CALS Entomology	USDA (FOREST)	DETECTION AND QUANTIFICATION OF AIRBORNE ENTOMOPHAGA MAIMAIGA CONIDIA	76745	\$10,000
HAN, CHUN	Weill Institute	DHHS (NIH-NIH NINDS)	MECHANISMS OF THE RECOGNITION OF DEGENERATING DENDRITES	79179	\$392,025
HAYES, ALEXANDER G	Center Astrophysics-Planetary Science	NASA (NSSC)	THE GEOMORPHOLOGY AND COMPOSITION OF TITAN'S SURFACE: COMBINING THE SPATIAL INFORMATION OF CASSINI RADAR WITH THE SPECTRAL INFORMATION OF CASSINI VIMS	86033	\$45,000
HOLDEN, MARTHA J	Bronfenbrenner Ctr forTranslational Rsch	DHHS (SAMHSA)	CREATING TRAUMA INFORMED RESIDENTIAL SETTINGS: AN NCTSN CATEGORY II CENTER	80022	\$2,882,034
HOSKINS, SUSAN B	CALS School of Integrative Plant Science	USDA (NRCS)	IRIS NRCS AERIAL PHOTOGRAPH SCANNING PROJECT	84410	\$99,000
IFFT, JENNIFER E	CALS AEM	USDA-RMA	NEW YORK CROP INSURANCE AND RISK MANAGEMENT EDUCATION PROJECT	87677	\$441,264
JENA, DEBDEEP	Electrical & Computer Engineering	NSF	DMREF COLLABORATIVE RESEARCH: EXTREME BANDGAP SEMICONDUCTORS	75824	\$167,999
JENA, DEBDEEP	Electrical & Computer Engineering	NSF	RAISE TAQ: INTEGRATED ROOM TEMPERATURE SINGLE-PHOTON BASED QUANTUM-SECURE LIFI SYSTEMS	86800	\$1,000,000
JENA, DEBDEEP	Electrical & Computer Engineering	U OF CAL (UC SANTA BARB)	GALLIUM OXIDE MATERIALS SCIENCE AND ENGINEERING (GAME)	84932	\$1,111,625
JUNG, SUNGHWAN	CALS Biological & Environmental Engr	VIRGINIA TECH	LIBERATION AND DISPERSAL OF WHEAT PATHOGENS BY RAIN SPLASH AND JUMPING-DROPLET CONDENSATION	87892	\$72,945
KE, AILONG	Molecular Biology and Genetics	DHHS (NIH)	MECHANISTIC INVESTIGATION OF RNA-MEDIATED GENE REGULATION AND IMMUNITY	76899	\$88,895
KLINCK, HOLGER	CALS Lab of O - Programs	NEW ENGLAND AQUARIUM	ESTIMATING POPULATION DENSITIES OF TWO COASTAL CETACEAN SPECIES IN INDIAN WATERS	85142	\$7,500
KNUTH, BARBARA A	Graduate School Financial Aid	NSF	GRADUATE RESEARCH FELLOWSHIP PROGRAM (GRFP)	81023	\$4,876,000
KOURKOUTIS, LENA FITTING	Applied & Engineering Physics	UNC	MMAPPING HIV-TAT ± ENDOCANNABINOID INDUCED SYNAPTIC CHANGES AT THE MACROMOLECULAR LEVEL VIA CRYO-ELECTRON TOMOGRAPHY	83310	\$223,388
KRESS-GAZIT, HADAS	Mechanical & Aerospace Engineering	NSF	CPS:SMALL: SYNTAX-GUIDED SYNTHESIS FOR CYBER-PHYSICAL SYSTEMS	86924	\$372,998
KRESS-GAZIT, HADAS	Mechanical & Aerospace Engineering	NSF	NRI: INT: AD-HOC COLLABORATIVE HUMAN-ROBOT SWARMS	85920	\$1,490,568
LAI, DONG	Center Astrophysics-Planetary Science	NASA (NSSC)	DYNAMICAL EVOLUTION OF MULTI-PLANET SYSTEMS	82632	\$45,000
LANCASTER, KYLE	Chemistry and Chemical Biology	DHHS (NIH-NIH NIGMS)	POST-FIXATION NITROGEN CYCLE METALLOENZYMOLOGY	81664	\$84,701
LAUBER, BRUCE	CALS Natural Resources	MDOH	GREAT LAKES HEALTH COLLABORATION TO REDUCE TOXICS EXPOSURE	71311	\$64,237
LEPAK, JESSE MICHAEL	CALS Sea Grant	DWCF	OUTREACH INSPIRING LAKE STURGEON CONSERVATION	85935	\$18
LEPAK, JESSE MICHAEL	CALS Sea Grant	DWCF	OUTREACH INSPIRING LAKE STURGEON CONSERVATION	85935	\$47,382
LEVY, KAREN	Information Science	NSF	STANDARD: EMERGING CULTURES OF DATA SCIENCE ETHICS IN THE ACADEMY AND INDUSTRY	86621	\$172,486
LIEPE, MATTHIAS U	Cornell Lab Accelerator Sciences & Ed	ULTRAMET	CVD PROCESS DEVELOPMENT OF THIN FILM TRINIBIUM-TIN ON COPPER SRF CAVITIES: SBIR PHASE II	86582	\$265,000
LIN, HENING	Chemistry and Chemical Biology	HUGHES MED INST	DISCOVERING AND UNDERSTANDING NOVEL PROTEIN POSTTRANSLATIONAL MODIFICATIONS VIA STUDYING ORPHAN ENZYMES	77190	\$68,250

LINDAU, MANFRED	Applied & Engineering Physics	EXOC	SCALABLE AMPEROMETRIC MICROCHIP ARRAY FOR HIGH-THROUGHPUT SCREENING OF SMALL MOLECULES, PEPTIDES OR GENETIC PERTURBATIONS FOR MODULATION OF QUANTAL TRANSMITTER RELEASE: SBIR - PA-15-270	78895	\$86,331
LODGE, DAVID M.	CALS Ecology & Evolutionary Biology	SUNY (SUNY BUFF STATE)	DNA BARCODE REFERENCE LIBRARY: MOLLUSCA, ANNELIDA, AND MINOR PHyla	82385	\$39,344
LOEB, GREGORY M	CALS Entomology	U OF VERMONT	LOW TUNNEL STRAWBERRIES: SURVEY OF PEST INCIDENCE AND RECOMMENDATIONS FOR BIOLOGICAL CONTROL OF TWO-SPOTTED SPIDER MITE	86916	\$14,988
LUJAN, MARLA E	CALS Nutritional Sciences	DHHS (NIH)	RELEVANCE OF POLYCYSTIC OVARIAN MORPHOLOGY IN THE CLINICAL EVALUATION OF PCOS	82705	\$2,308,101
MARCH, JOHN	CALS Biological & Environmental Engr	U SYS OF MARYLAND (U MD COLLEGE PK)	AUTONOMOUS LOCALIZATION AND DELIVERY OF THERAPEUTIC AGENTS VIA "SMART" BACTERIA	69938	\$40,000
MAZOUREK, MICHAEL	CALS School of Integrative Plant Science	USDA (ARS)	GENETIC ELEMENTS THAT CONTROL COLOR FORMATION IN MELON FRUIT	88088	\$31,064
MAZOUREK, MICHAEL	CALS School of Integrative Plant Science	USDA (ARS)	MOLECULAR BASIS OF CHROMOPLAST BIOGENESIS	80577	\$120,099
MAZOUREK, MICHAEL	CALS School of Integrative Plant Science	USDA (ARS)	GENETIC BASIS AND APPROACHES FOR CROP NUTRITIONAL QUALITY IMPROVEMENT	80576	\$60,500
MCART, JESSICA A	Population Medicine & Diagnostic Science	BI CORP (BIVI)	CAN BLOOD CALCIUM CONCENTRATION BE USED AS A PROGNOSTIC INDICATOR FOR POSTCORRECTION SUCCESS OF LEFT-DISPLACED ABOMASUM IN EARLY LACTATION DAIRY COWS?	86554	\$13,342
MCEUEN, PAUL L	Lab. of Atomic & Solid State Physics	NSF (NSF MPS)	COLLABORATIVE RESEARCH: DMREF GRAPHENE BASED ORIGAMI AND KIRIGAMI METAMATERIALS	72848	\$199,999
MCFADDEN, JOSEPH W.	CALS Animal Science	U OF VERMONT	NUTRITIONAL THERAPY TO PREVENT LEAKY GUT IN DAIRY CATTLE EXPERIENCING ENDOTOXEMIA	86942	\$14,996
MCGRATH, MARGARET T	CALS School of Integrative Plant Science	RUTGERS	MANAGING DOWNY MILDEW AND FUSARIUM IN BASIL WITH NEW RESISTANT VARIETIES, IMPROVED GENETICS, SEED TREATMENT, AND DISEASE OCCURRENCE MAPPING	86416	\$118,490
MEHTA, SAURABH	Nutritional Sciences	WCM	DEVELOPMENT AND VALIDATION OF MOBILE-BASED ASSAY FOR AGG	85350	\$60,538
MEHTA, SAURABH	Mechanical & Aerospace Engineering	DHHS (NIH)	DIETARY SUPPLEMENT USE AND ACUTE FEBRILE ILLNESS IN PREGNANT WOMEN AND CHILDREN	75777	\$101,936
MELLON, MICHAEL T	Center Astrophysics-Planetary Science	NASA (JPL)	PHASE D OF THE MARS 2020 ROVER INSTRUMENT RIMFAX (RADAR IMAGER FOR MARS SUBSURFACE EXPLORATION).	87789	\$159,574
MESSER, PHILIPP	CALS Biology Stats & Computational Biol	DHHS (NIH)	EVOLUTIONARY DYNAMICS OF CRISPR GENE DRIVES IN NATURAL POPULATIONS	83781	\$1,615,005
MILLER, DENNIS D	CALS Food Science	USDA (ARS)	MICRONUTRIENT BIOAVAILABILITY OF FOODS	80570	\$116,326
MOLNAR, ALYOSHA	Electrical & Computer Engineering	DOD (DARPA)	ESPPRESSO: ENERGY IN SIGNAL POWERED PIEZOELECTRIC RF ENERGY SENSORS AND SPECTRUM ORGANIZATION	76640	\$161,177
NAAMAN, MOR	JTC Research	NSF	III: EAGER: USING LARGE-SCALE WEB DATA FOR ONLINE ATTENTION MODELS AND IDENTIFICATION OF READING DISABILITIES	87183	\$298,752
NAULT, BRIAN A	CALS Entomology	U OF VERMONT	EVALUATING ABIOTIC FACTORS ASSOCIATED WITH ONION MAGGOT CONTROL FAILURE IN NORTHEASTERN ONION PRODUCTION SYSTEMS	86915	\$14,984
NETRAVALI, ANIL N	Fiber Science and Apparel Design	TUSKEGEE U	CREST CENTER FOR SUSTAINABLE LIGHTWEIGHT MATERIALS (C-SLAM): PROCESSING AND PERFORMANCE EVALUATION OF ADVANCED GREEN NANOCOMPOSITES	82343	\$149,910
NIKITIN, ALEXANDER Y	Biomedical Sciences	DHHS (NIH-NIH NCI)	ORIGINS OF OVARIAN CARCINOMA	74235	\$62,800

NISHIMURA, NOZOMI	Biomedical Engineering	DHHS (NIH)	AGE COMPROMISES NOVEL MOTILITY AND REPAIR FUNCTIONS IN STEM CELL NICHE OF INTESTINAL CRYPTS	85403	\$469,100
NYDAM, DARYL V	Population Medicine & Diagnostic Science	U OF MINNESOTA	RANDOMIZED EQUIVALENCE STUDY EVALUATING THE EFFICACY OF TWO COMMERCIAL INTERNAL TEAT SEALANTS IN DAIRY COWS	87144	\$72,308
NYROP, JAN P	CALS PGRU/GGRU	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES - PGRU	87401	\$15,000
NYROP, JAN P	CALS PGRU/GGRU	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES - FACILITIES	87378	\$4,000
NYROP, JAN P	CALS Cornell AgriTech Fin & Operating	NYS (AGMRKT)	2018-19 APPLE RESEARCH & DEVELOPMENT PROGRAM (ARDP STATE FUNDING)	87015	\$500,000
NYROP, JAN P	CALS CU Agriculture Experiment Station	USDA (ARS)	CONTROLLED PLANT GROWTH FACILITIES TO FACILITATE USDA-ARS/CORNELL COOPERATIVE RESEARCH	88219	\$133,329
NYROP, JAN P	CALS PGRU/GGRU	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES - ROOTSTOCK	84059	\$196
O'ROURKE, THOMAS D	Civil & Environmental Engineering	SANEXEN	PERFORMANCE EVALUATION OF AQUA-PIPE UNDER EARTHQUAKE-INDUCED GROUND DEFORMATION	86027	\$662,567
PADILLA-ZAKOUR, OLGAI	CALS Food Science	USDA (USDA-NIFA)	FOOD SAFETY FOR QUALIFIED EXEMPT FOOD PRODUCERS TO BUILD ECONOMIC VIABILITY UNDER THE FOOD SAFETY MODERNIZATION ACT	87207	\$74,999
PARRISH, COLIN R	Baker Institute for Animal Health	DHHS (NIH-NIH NIGMS)	THE EVOLUTIONARY AND BIOLOGICAL BASES OF HOST SWITCHING IN VIRUSES	77347	\$40,478
PETHYBRIDGE, SARAH J	CALS School of Integrative Plant Science	USDA (USDA-NIFA)	BREAKING DOWN THE BARRIERS TO ORGANIC NO-TILL SOYBEAN AND DRY BEAN PRODUCTION THROUGH IMPROVED WHITE MOLD MANAGEMENT	86551	\$500,000
POLLACK, LOIS	Applied & Engineering Physics	DHHS (NIH)	NUCLEIC ACID INTERACTIONS WITH PARTNERS: IONS AND PROTEINS	79840	\$78,325
POWERS, JANE	Bronfenbrenner Ctr for Translational Rsch	HEALTH RESEARCH	PATHWAYS TO SUCCESS IN NYC	87606	\$176,588
PURCELL, KAREN A	CALS Lab of O - Programs	NSF (NSF EHR)	DEVELOPING THE PROCESSES AND POTENTIAL TO ENGAGE HISTORICALLY UNDERREPRESENTED COMMUNITIES IN STEM IN AUTHENTIC AND IMPACTFUL COLLABORATION	84820	\$2,537,135
PUTNAM, DAVID	Biomedical Engineering	DHHS (NIH)	CO-PRESENTATION AND DELIVERY OF TLR AGONIST COMBINATIONS WITH SUBUNIT ANTIGENS TO PATHOGEN-MATCH THE IMMUNE RESPONSE	84952	\$2,908,137
PUTNAM, DAVID	Biomedical Engineering	BAUSCH & LOMB	DESIGN AND SYNTHESIS OF NOVEL AMPHIPHILIC POLYMERS AND THEIR USE IN LENS PACKAGING AND STORAGE AND MULTIPURPOSE SOLUTIONS	86645	\$100,000
QIAN, SHU-BING	Nutritional Sciences	DHHS (NIH)	DYNAMIC MRNA M6A MODIFICATION IN ONCOGENIC TRANSLATION	83879	\$375,623
RAMAN, KANDUKURI	CALS International Programs	USDA (FAS)	SOUTH ASIA STANDARDS WORKSHOP	87813	\$219,172
RIECHERS, DOMINIK A	Center Astrophysics-Planetary Science	NASA (JPL)	BUILDING GALAXIES AT Z=3-4: AN INTEGRATED VIEW OF THE ALMA+MUSE ULTRA DEEP FIELD WITH MOSFIRE	87560	\$13,575
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	TISSUE-SPECIFIC ANALYSIS OF FRUIT TRANSCRIPTOME ACTIVITY	84551	\$270,000
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	PROFILING OF DIVERSE MAIZE AND TRIPSACUM TO IDENTIFY FUNCTIONAL VARIANTS	81328	\$1,172,613
ROSE, JOCELYN	CALS School of Integrative Plant Science	USDA (ARS)	HIGH THROUGHPUT PHENOTYPING OF ROOT ARCHITECTURE TRAITS	87819	\$95,267
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES	87939	\$20,000
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	BREEDING INSIGHT PLATFORM (BIP) INITIATIVE	88136	\$1,905,362
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES	87939	\$10,000
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	BREEDING INSIGHT PLATFORM (BIP) INITIATIVE	88136	\$2,280,698

ROSE, JOCELYN	CALS School of Integrative Plant Science	USDA (ARS)	ROLE OF ROOT SYSTEM ARCHITECTURE AND FUNCTION IN IMPROVING CROP NUTRIENT AND WATER EFFICIENCY	80765	\$83,651
ROTTIERS, VEERLE	CALS Molecular Biology & Genetics	DHHS (NIH)	SEX-SPECIFIC REGULATION OF LIFESPAN AND METABOLISM IN C. ELEGANS	86372	\$346,431
RUDOLPH, JEN	SCL Academic Support	US DEPT OF EDU	CORNELL UNIVERSITY UPWARD BOUND	82102	\$11,217
RYAN, MATTHEW R	CALS School of Integrative Plant Science	U OF VERMONT	COMPARATIVE ANALYSIS OF COVER CROP INCENTIVE PROGRAMS IN THE NORTHEAST	86912	\$15,000
RYD, ANDERS	Cornell Lab Accelerator Sciences & Ed	PRINCETON U	U.S. CMS OPERATIONS AT THE LHC (SOFTWARE & COMPUTING SUBSYSTEMS)	78877	\$1,388,575
SABUNCU, MERT	Electrical & Computer Engineering	NSF	CAREER: NEW LEARNING-BASED ALGORITHMS FOR THE ANALYSIS OF VERY-LARGE-SCALE NEUROIMAGING DATA	83838	\$581,438
SABUNCU, MERT	Electrical & Computer Engineering	BRAIN SOL	DESIGNING MACHINE LEARNING ALGORITHMS FROM FNIRS DATA: STTR: STTR PHASE II	87814	\$65,300
SAMUELS, SHIRLEY R	English	NEH	DEMOCRACY IN NINETEENTH-CENTURY AMERICA	82935	\$80,160
SCHNEIDER, FRED B	Computer Science	DOD (AF-AFOSR)	POLICY ENFORCEMENT BY USING SECURITY LABELS	78401	\$235,000
SCHRYVER, THOMAS	Center for Economic Advancement	HTR	MANUFACTURING CORPS (M-CORPS) PILOT PROGRAM	84217	\$145,000
SCHRYVER, THOMAS	Center for Economic Advancement	NYS (NYSERDA)	76 WEST	76942	\$58,225
SCOTT, ROBERT	Cornell Prison Education Program	MELLON	PROJECTING A MODEL COLLEGE-IN-PRISON PROGRAM: EVALUATION, COMMUNICATION, AND COLLABORATION	87108	\$1,700,000
SHEPHERD, ROBERT F	Mechanical & Aerospace Engineering	WCM	STEREOLITHOGRAPHIC PRINTING OF PATIENT SPECIFIC CARDIAC DEVICES	85574	\$46,024
SHEPHERD, ROBERT F	Mechanical & Aerospace Engineering	NSF	EFRI C3 SORO PRELIMINARY PROPOSAL: AN END-TO-END FRAMEWORK FOR SOFT ROBOT DESIGN AND CONTROL BASED ON HIGH-PERFORMANCE ELECTROHYDRAULIC TRANSDUCERS	84882	\$1,999,999
SHI, RUNTING	Computer Science	NSF (NSF CISE)	SPX: COLLABORATIVE RESEARCH: MOVING TOWARDS SECURE AND MASSIVE PARALLEL COMPUTING	85743	\$68,333
SHVETS, GENNADY	Applied & Engineering Physics	DOE	ION CHANNEL LASER BASED ON DIRECT LASER ACCELERATION OF A SHAPED BEAM DRIVER	86612	\$405,000
SHVETS, GENNADY	Applied & Engineering Physics	U OF DAYTON	ELECTRONICALLY TUNABLE MATERIALS AND DEVICES USING SUBWAVELENGTH PARTICLES	82276	\$120,000
SILBERSTEIN, MEREDITH	Mechanical & Aerospace Engineering	NSF	COLLABORATIVE RESEARCH: KNOWLEDGE AND DATA-DRIVEN DESIGN OF MECHANICAL METAMATERIALS	85732	\$299,075
SINGER, ANDREJ	Materials Science Engineering	DOE	CREATING NEW QUANTUM STATES OF MATTER IN TIME AND SPACE THROUGH ENGINEERING ARTIFICIAL INTERFACES AND STRUCTURES	86832	\$2,730,000
SMALLIDGE, PETER	CALS Natural Resources	USDA (AMS)	EFFICIENT, PROFITABLE AND SUSTAINABLE MAPLE PRODUCTION THROUGH APPLIED RESEARCH, EDUCATION AND INNOVATIVE TECHNOLOGIES	87195	\$474,258
SMOLKA, MARCUS B	Weill Institute	DHHS (NIH-NIH NIGMS)	CELLULAR RESPONSES TO DNA REPLICATION STRESS	80693	\$193,884
SONDERMANN, HOLGER	Molecular Medicine	DHHS (NIH-NIH NIGMS)	MOLECULAR MECHANISM REGULATING PERIPLASMIC PROTEOLYSIS IN BACTERIAL PATHOGENESIS	83288	\$36,849
SORRELLS, MARK E	CALS School of Integrative Plant Science	USDA (ARS)	DEVELOPMENT OF FHB RESISTANT WHEAT AND BARLEY VARIETIES FOR THE NORTHEASTERN U.S.	87615	\$109,753
STAEHR, A. EDWARD	CALS AEM	NYS (OMH)	NY FARMNET - MENTAL HEALTH OUTREACH (2018-2019)	87000	\$400,000
STAEHR, A. EDWARD	CALS AEM	NYS (AGMRKT)	FARM FAMILY ASSISTANCE - NY FARMNET (2018-2023)	86996	\$872,000
STEEN, PAUL H	Chemical & Biomolecular Engineering	NSF	IUTAM WORKSHOP PARTICIPANT SUPPORT	87693	\$5,000
STEENHUIS, TAMMO S	CALS Biological & Environmental Engr	USDA (ARS)	MICRONUTRIENT BIOAVAILABILITY OF FOODS	80784	\$48,450
STEINSCHNEIDER, SCOTT	CALS Biological & Environmental Engr	DOD (ARMY-ACE)	IPA - U.S. ARMY CORPS OF ENGINEERS	88055	\$60,000
STUDER, CHRISTOPH	Electrical & Computer Engineering	NSF	SPASS: SPATIO-SPECTRAL SENSING WITH WIDEBAND FEATURE EXTRACTION ARRAYS	85831	\$641,999

THAYER, CHERYL B	CALS Cornell Cooperative Extension	ERIE CTY (CCE ERIE)	BUILDING THE CAPACITY TO OFFER COMMUNITY SUPPORTED AGRICULTURE (CSA) COST-OFFSETS TO LOW-INCOME CONSUMERS IN BUFFALO	87095	\$15,000
TURNER, ANDREW S	Bronfenbrenner Ctr for Translational Rsch	USDA (USDA-NIFA)	4-H UNITY (URBAN NEIGHBORHOODS IMPROVED THROUGH YOUTH)	86650	\$640,000
VOGT, VOLKER M	CALS Molecular Biology & Genetics	DHHS (NIH)	STRUCTURE AND ASSEMBLY OF RETROVIRUSES	81218	\$98,503
WATKINS, CHRISTOPHER B	CALS School of Integrative Plant Science	USDA (USDA-NIFA)	DYNAMIC CONTROLLED ATMOSPHERE STORAGE FOR NON-CHEMICAL MAINTENANCE OF APPLE QUALITY	86592	\$387,916
WEISS, ROBERT S	Biomedical Sciences	DHHS (NIH-NIH NICHD)	COORDINATION OF ATR SIGNALING FOR GENETIC QUALITY CONTROL, SILENCING, AND DNA REPAIR DURING MEIOSIS	83763	\$2,169,882
WOODBURY, PETER B	CALS School of Integrative Plant Science	NYS (AGMRKT)	CARBON FARMING STUDY	87679	\$50,000
YU, HAIYUAN	Weill Institute	DHHS (NIH-NIH NIGMS)	QUANTIFYING MOLECULAR CONSEQUENCES OF HUMAN MISSENSE VARIANTS WITH LARGE-SCALE INTERACTOME PERTURBATION STUDIES	82513	\$99,500
YU, HAIYUAN	Weill Institute	DHHS (NIH-NIH NIDDK)	INTEGRATED HIGH-THROUGHPUT FUNCTIONAL ASSAYS TO IDENTIFY ULCERATIVE COLITIS CAUSAL RISK VARIANTS	85317	\$3,308,176