

Cornell University, Office of Sponsored Programs
Awards Received in September 2017

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
ABRUNA, HECTOR D	Applied & Engineering Physics	NSF	DMREF: COLLABORATIVE RESEARCH: PHOTOCATALYST BY DESIGN: COMPUTATIONAL SCREENING OF RECONSTRUCTED PEROVSKITE SEMICONDUCTOR ELECTRODES FOR EFFICIENT SOLAR-TO-FUEL CONVERSION	82363	\$480,000
ADIE, STEVEN G	Biomedical Engineering	DHHS (NIH)	DEVELOPMENT OF HYBRID ADAPTIVE OPTICS FOR MULTIMODAL MICROSCOPY DEEP IN THE MOUSE BRAIN	82189	\$490,625
ALCAINE, SAMUEL D	CALS Food Science	USDA (USDA-NIFA)	NATIONAL DAIRY FOOD SAFETY PLAN COACHING WORKSHOP	83810	\$396,644
BAROCAS, SOLON	Information Science	MACARTHUR	FAIRNESS, ACCOUNTABILITY, AND TRANSPARENCY IN MACHINE LEARNING	84231	\$20,000
BASS, ANDREW H	Neurobiology and Behavior	NSF	MIDBRAIN MOTOR CODING OF VOCAL BEHAVIOR	80873	\$830,000
BERGSTROM, GARY C	CALS School of Integrative Plant Science	USDA (ARS)	MOLECULAR MECHANISMS REGULATING POLEROVIRUS MOVEMENT IN PLANTS AND APHIDS	80638	\$125,968
BERGSTROM, GARY C	CALS School of Integrative Plant Science	USDA (ARS)	IMMUNITY TO POTATO CYST NEMATODES	81321	\$61,000
BERGSTROM, GARY C	CALS School of Integrative Plant Science	USDA (ARS)	MECHANISMS OF COMPATIBLE AND INCOMPATIBLE INTERACTIONS BETWEEN POTATO AND POTATO CYST NEMATODES	80770	\$197,533
BIHN, ELIZABETH	CALS Food Science	USDA (USDA-NIFA)	FRUITS, VEGETABLES AND FSMA COMPLIANCE: MULTILINGUAL AUDIOVISUAL FOOD SAFETY TRAINING FOR FARMS AND PACKINGHOUSES	83814	\$449,488
BISCHOFF, KARYN	Population Medicine & Diagnostic Science	DHHS (FDA)	ANIMAL FEED AND PET FOOD SAFETY COOPERATIVE AGREEMENT WITH FDA/VET-LIRN	83380	\$137,000
BOGDANOVE, ADAM J	CALS School of Integrative Plant Science	NSF (NSF BIO)	QUANTITATIVE TRAIT LOCUS EDITING FOR CROP IMPROVEMENT	73690	\$77,713
BOGDANOWICZ, STEVEN M	CALS Ecology & Evolutionary Biology	USDA (USDA APHIS)	MAPPING FLIGHT GENES IN GYPSY MOTHS (LYMANTRIA DISPAR), AND SPATIAL GENETIC STRUCTURE IN ASIAN LONGHORN BEETLES (ANOPLOPHORA GLABRIPENNIS)	84592	\$193,687
BRADY, JOHN W	CALS Food Science	DHHS (NIH)	STRUCTURAL INVESTIGATIONS OF BIOFILM MATRICES FOR NOVEL ANTIBIOFILM STRATEGIES	80354	\$838,557
BRITO, ILANA L	Biomedical Engineering	RAININ FDN	THE ROLE OF HORIZONTAL GENE TRANSFER IN IBD PATHOGENESIS	82738	\$100,000
BRUYERE, SUSANNE M	Industrial & Labor Relations Ext Orgs	U OF TEXAS SYS (UTMB)	CENTER FOR LARGE DATA RESEARCH AND DATA SHARING IN REHABILITATION	84403	\$131,025
BUNTING-HOWARTH, KATHERINE E	CALS Sea Grant	DEPT COMMERCE (NOAA)	RESOLVING THE EFFECTS OF RESOURCE AVAILABILITY, PREDATION AND COMPETITION ON BROWN TIDE DYNAMICS USING METATRANSCRIPTOMICS	75454	\$24,973
CALICCHIA, MARCIA	Industrial & Labor Relations Ext Orgs	NYS (NYS OTDA)	TADA06 HUMAN SERVICES LEADERSHIP INSTITUTE 2017	82536	\$379,852
CALICCHIA, MARCIA	Industrial & Labor Relations Ext Orgs	NYS (NYS OTDA)	TADA06 HUMAN SERVICES LEADERSHIP INSTITUTE 2012-16	65752	\$379,852
CARROLL, JULIET E	CALS NYS Integrated Pest Management	USDA (USDA-NIFA)	BUILDING A RESPONSIVE NETWORK OF INTEGRATED PEST MANAGEMENT APPLICATIONS THAT SUPPORTS GROWER ACCESS AND COMMUNICATION	83475	\$199,966
CARROLL, JULIET E	CALS NYS Integrated Pest Management	NYS (AGMRKT)	2017 NYS SMALL FRUIT COOPERATIVE AGRICULTURAL PEST SURVEY (NYS PO# 5888)	83782	\$18,520
CHEN, PENG	Chemistry and Chemical Biology	DOD (ARMY-ARO)	SUPER-RESOLUTION IMAGING OF SURFACE-PLASMON ENHANCED CATALYSIS AT NANOSCALE GAPS	81345	\$420,000

CHU, CHIH-CHANG	Fiber Science and Apparel Design	LSU	NEW MECHANISMS OF PROHEALING LIPID AUTOCRINES/PARACRINES OF MACROPHAGES AND NERVES IN DIABETIC WOUND RE-INNervation	80629	\$372,000
COATES, GEOFFREY	Chemistry and Chemical Biology	EXXONMOBIL	POLYLACTONES FROM SIMPLE OLEFINS	83647	\$140,000
COHEN, ITAI	Lab. of Atomic & Solid State Physics	DOD (ARMY-ABERDEEN)	DETERMINING THE LIMITS OF HUMAN COORDINATION	79167	\$60,000
COHEN, PAULA E	Biomedical Sciences	DHHS (NIH-NIH NICHD)	TEMPORAL REGULATION OF PROPHASE I EVENTS BY THE CYCLIN-DEPENDENT KINASES (CDKS) 2 AND 4 IN MAMMALIAN MEIOSIS	81634	\$202,096
COHEN, PAULA E	Biomedical Sciences	DHHS (NIH-NIH NICHD)	NIMA-LIKE KINASE NEK1 AS A REGULATOR OF MAMMALIAN GAMETOGENESIS	79310	\$186,508
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	\$435,652
CSAKI, CSABA	Cornell Lab Accelerator Sciences & Ed	NSF	THEORETICAL PARTICLE PHYSICS	82112	\$1,800,000
DANDO, ROBIN	CALS Food Science	AGRANA FRUIT	YOGURT CONSUMER QUALITATIVE RESEARCH: NON- STANDARD PTA	84750	\$5,910
DAUGHTREY, MARGERY L	CALS School of Integrative Plant Science	KEMIN	KEMIN BIOSTIMULANT PLANT PATHOGEN CHALLENGE STUDY	84357	\$5,000
DAUGHTREY, MARGERY L	CALS School of Integrative Plant Science	USDA (ARS)	TRACKING AND MANAGING DISEASES OF FLORICULTURE CROPS CAUSED BY OOMYCETES AND FUNGI	77941	\$77,519
DE JONG, WALTER	CALS School of Integrative Plant Science	USDA (ARS)	IDENTIFYING NOVEL POTATO GERMPLASM WITH RESISTANCE AGAINST CYST NEMATODE AND DICKEYA PATHOGENS	84783	\$10,000
DE JONG, WALTER	CALS School of Integrative Plant Science	USDA (ARS)	EQUIPMENT FOR GOLDEN NEMATODE (GN) LAB-DIMOCK BUILDING AT CORNELL UNIVERSITY	84761	\$400,000
DE VLAMINCK, IWIJN DE	Biomedical Engineering	DHHS (NIH)	PRECISION MONITORING OF KIDNEY TRANSPLANTS VIA SINGLE- CELL AND SINGLE-MOLECULE SEQUENCING	81005	\$2,331,745
DE VLAMINCK, IWIJN DE	Biomedical Engineering	WCM	PERITONEAL FLUID MICROBIOME PREDICTIVE OF PERITONITIS	84599	\$3,686
DEITCHER, DAVID	Neurobiology and Behavior	U OF PITTSBURGH	DENSE-CORE VESICLE CIRCULATION, CAPTURE AND SYNAPTIC NEUROPEPTIDE RELEASE	79528	\$363,904
DOLLAHITE, JAMIE	Nutritional Sciences	SUNY (SUNY OSWEGO)	POLICY, SYSTEM AND ENVIRONMENTAL LOGIC MODEL - EAT SMART NY 2017	83006	\$27,987
EALICK, STEVEN E	Chemistry and Chemical Biology	DHHS (NIH)	NE-CAT CENTER FOR ADVANCED MACROMOLECULAR CRYSTALLOGRAPHY	67855	\$452,000
ELOUNDOU-ENYEGUE, PARFAIT	CALS Development Sociology	DOD (ARMY-ABERDEEN)	THE YOUTH BULGE AND NATIONAL SECURITY IN AFRICA: A GROUND-LEVEL ANALYSIS	80530	\$1,364,517
ERICKSON, DAVID C	Mechanical & Aerospace Engineering	NSF	NUTRIPHONE - SMARTPHONE BASED NUTRITION AND VITAMIN ANALYSIS	71740	\$6,440
FESCHOTTE, CEDRIC	CALS Molecular Biology & Genetics	DHHS (NIH-NIH NIGMS)	GENOMIC AND PHYSIOLOGICAL IMPACT OF TRANSPOSABLE ELEMENTS	84191	\$2,097,335
FISCHBACH, CLAUDIA	Biomedical Engineering	DHHS (NIH-NIH NCI)	CENTER ON THE PHYSICS OF CANCER METABOLISM	78542	\$124,719
FRY, WILLIAM E	CALS School of Integrative Plant Science	CIBUS	EVALUATION OF LATE BLIGHT RESISTANCE IN TRANSGENIC POTATOES	83792	\$20,450
FUCHS, MARC	CALS School of Integrative Plant Science	USDA (USDA APHIS)	NEW RESOURCES AND ENHANCED TOOLS TO IMPROVE FIRST DETECTOR TRAINING AND OUTREACH	81230	\$90,922
FUCHS, MARC	CALS School of Integrative Plant Science	USDA (USDA APHIS)	DEVELOPING AN EASTERN NCPN-GRAPE CENTER	81804	\$138,811
GAZEL, ESTEBAN	Earth & Atmospheric Sciences	NSF	SOLVING THE MYSTERY OF BERMUDA: IMPLICATIONS FOR INTRAPLATE MAGMATISM	84171	\$232,183
GAZEL, ESTEBAN	Earth & Atmospheric Sciences	OXFORD	BIOLOGY MEETS SUBDUCTION: A COLLABORATIVE AND MULTI- DISCIPLINARY DEEP CARBON FIELD INITIATIVE	84184	\$36,887

GOLDBERG, JESSE H	Neurobiology and Behavior	DHHS (NIH)	HOW IS PERFORMANCE EVALUATION ENCODED IN THE BRAIN?	81570	\$188,892
GOODMAN, LAURA B	Population Medicine & Diagnostic Science	DHHS (FDA)	ADAPTING MOLECULAR FOOD SAFETY TESTS TO ALTERNATIVE MATRICES	73250	\$5,671
GORE, MICHAEL A	CALS School of Integrative Plant Science	USDA (ARS)	RNASEQ TO ACCELERATE OAT BREEDING FOR NUTRITIONAL QUALITY	77732	\$46,556
GRANT, JENNIFER	CALS NYS Integrated Pest Management	USDA (USDA-NIFA)	AN INTEGRATED PEST MANAGEMENT PROGRAM FOR NEW YORK STATE, 2017-2020	83404	\$824,832
GU, ZHENGLONG	Nutritional Sciences	SF	MITOCHONDRIAL DNA MUTATIONS IN AUTISM SPECTRUM DISORDER	83159	\$293,812
HAJEK, ANN E	CALS Entomology	GMSTS	SPATIAL AND TEMPORAL DISPERSAL OF AIRBORNE ENTOMOPHAGA MAIMAIGA CONIDIA	84316	\$15,000
HALPERN, JOSEPH HAMMER, DAVID A	Computer Science Electrical & Computer Engineering	DOD (ARMY-ARO) DOE	COMBINING AND ABSTRACTING CAUSAL MODELS X-RAY SPECTROSCOPIC STUDIES OF X-PINCH PLASMAS WITH 3-5 PICOSECOND RESOLUTION: A QUEST FOR CLEAR EXPERIMENTAL EVIDENCE FOR RADIATIVE COLLAPSE	83633 83537	\$375,000 \$600,000
HANRATH, TOBIAS HELBLING, DAMIAN E	Chemical & Biomolecular Engineering Civil & Environmental Engineering	DOE CYCLOPURE	FABRICATING SINGLE CRYSTAL QUANTUM DOT SOLIDS EVALUATING CYCLODEXTRIN POLYMER ADSORBENTS UNDER ENVIRONMENTALLY-RELEVANT SCENARIOS AND IN BENCH-SCALE ADSORPTION PROCESSES	81017 84691	\$610,000 \$196,913
HINES, MELISSA A HOFFMANN, ROALD	Cornell Center for Materials Research Chemistry and Chemical Biology	NSF CARNEGIESC	CORNELL CENTER FOR MATERIALS RESEARCH - MRSEC THE THEORETICAL DESIGN OF NOVEL MATERIALS WITH EMERGENT PROPERTIES	80497 72480	\$23,234,000 \$169,000
HOFFSTAETTER, GEORG IFFT, JENNIFER E	Cornell Lab Accelerator Sciences & Ed CALS AEM	BROOKHAVEN USDA (ERS)	CORNELL-BROOKHAVEN ERL TEST ACCELERATOR (CBETA) RISK MANAGEMENT FOR ORGANIC FARMERS: THEORY AND EXPERIMENTS	82010 84667	\$1,500,000 \$50,000
IFFT, JENNIFER E	CALS AEM	USDA-RMA	NEW YORK CROP INSURANCE AND RISK MANAGEMENT EDUCATION PROJECT	84150	\$452,000
JENA, DEBDEEP JENA, DEBDEEP	Electrical & Computer Engineering Electrical & Computer Engineering	INTEL NSF	WIDE BANDGAP P-FETS: MATERIALS, DEVICES AND CIRCUITS EFRI NEWLAW: NON-RECIPROCAL WAVE PROPAGATION DEVICES BY FERMIONIC EMULATION AND EXCEPTIONAL	83569 82179	\$762,000 \$2,000,000
KAWATE, TOSHIMITSU	Molecular Medicine	DHHS (NIH-NIH NIGMS)	POINT PHYSICS STRUCTURE AND FUNCTION OF PANNEXINS: ACTIVATION MECHANISM	73874	\$43,136
KELLING, STEVEN T	CALS Lab of O - Programs	WILDLIFE	INCREASED UNDERSTANDING OF MIGRATORY FOOD FISHES AND THE CHANGING NATURE OF THE WETLANDS	82970	\$250,000
KHAN, MUHAMMAD AWAIS	CALS School of Integrative Plant Science	USDA (ARS)	DEVELOPING APPLE GERMPLASM DONOR STOCK FOR NOVEL STRAIN-SPECIFIC AND BROAD-SPECTRUM ALLELES AND GENES FOR FIRE BLIGHT GENETIC RESEARCH AND RESISTANCE BREEDING	82932	\$28,349
KLEINBERG, JON	Computer Science	NSF	BIGDATA: IA: HARNESSING LANGUAGE AND INTERACTION DYNAMICS AT MULTIPLE SCALES TO MAXIMIZE THE BENEFITS OF GROUP INTERACTION	83091	\$983,479
KNEPPER, RICHARD JOEL	Center for Advanced Computing	NSF	COLLABORATIVE RESEARCH: CAMPUS COMPUTE COOPERATIVE (CCC) PLANNING GRANT PROPOSAL	84064	\$10,838
LAI, DONG LEVY, KAREN	Center Astrophysics-Planetary Science Information Science	NASA (NSSC) SLOAN	DYNAMICAL EVOLUTION OF MULTI-PLANET SYSTEMS DATA DRIVEN: TRUCKERS AND THE NEW WORKPLACE SURVEILLANCE	82632 82398	\$45,000 \$45,065

LINSTER, CHRISTIANE	Neurobiology and Behavior	NSF	CRCNS US-GERMAN RESEARCH PROPOSAL: COMPUTATIONAL AND EXPERIMENTAL INVESTIGATION OF NEURAL STATE CHANGES IN THE OLFACTORY SYSTEM	82238	\$500,000
LODGE, DAVID M.	CALS Ecology & Evolutionary Biology	EPA	EARLY DETECTION OF BENTHIC ARTHROPODA IN THE GREAT LAKES	82463	\$399,365
LOHMANN, ROWENA	Earth & Atmospheric Sciences	NASA	QUANTIFYING BIAS INTRODUCED BY VEGETATION IN INSAR STUDIES OF GROUND DEFORMATION AND SURFACE PROCESSES	82624	\$45,000
LUJAN, MARLA E	CALS Nutritional Sciences	DHHS (NIH)	OVARIAN ULTRASONOGRAPHY FOR THE CLINICAL EVALUATION OF POLYCYSTIC OVARY SYNDROME	79213	\$299,700
MA, MINGLIN	CALS Biological & Environmental Engr	NOVO NORDISK	PRECLINICAL DEVELOPMENT OF THE TRAFFIC SYSTEM FOR T1D	78839	\$242,550
MAK, KIN FAI FAI	Lab. of Atomic & Solid State Physics	DOD (ARMY-ARO)	NANO- AND BIO- ELECTRONICS: TOPOLOGICALLY PROTECTED ONE-DIMENSIONAL VALLEY TRANSPORT AT TWO-DIMENSIONAL SEMICONDUCTOR TWIN BOUNDARIES	84011	\$593,791
MANNING, STURT	Classics	U OF GEORGIA	A HIGH-PRECISION RADIOCARBON CHRONOLOGY FOR NORTHERN IROQUOIA	82382	\$49,557
MARQUIS, HELENE	Microbiology and Immunology	NYS (NYS DEC)	FISH PATHOLOGY AND DIAGNOSTIC SERVICES	83415	\$120,833
MATTSON, NEIL S	CALS School of Integrative Plant Science	NSF	INFWEWS/T3: STRATEGIC FEW AND WORKFORCE INVESTMENTS TO ENHANCE VIABILITY OF CONTROLLED ENVIRONMENT AGRICULTURE IN METROPOLITAN AREAS	83032	\$2,423,476
MAZOUREK, MICHAEL	CALS School of Integrative Plant Science	USDA (ARS)	GENETIC BASIS AND APPROACHES FOR CROP NUTRITIONAL QUALITY IMPROVEMENT	80576	\$29,070
MAZOUREK, MICHAEL	CALS School of Integrative Plant Science	USDA (ARS)	ISOLATION OF GENES THAT CONTROL PIGMENT METABOLISM IN HORTICULTURAL CROPS	84851	\$40,000
MCART, SCOTT	CALS Entomology	NYS (AGMRKT)	NEW YORK STATE POLLINATOR PROTECTION PLAN: ASSESSING THE IMPORTANCE OF PESTICIDES, PATHOGENS AND MANAGEMENT PRACTICES	80994	\$300,000
MILLER, DENNIS D	CALS Food Science	USDA (ARS)	MICRONUTRIENT BIOAVAILABILITY OF FOODS	80570	\$19,382
MILLER, MATTHEW P	Mechanical & Aerospace Engineering	DOE	UNDERSTANDING MICROPLASTICITY PROCESSES RELATED TO FATIGUE DAMAGE USING HIGH ENERGY X-RAYS AND A CRYSTAL-BASED MODELING FORMULATION	60457	\$150,000
MURRAY, TIMOTHY C	Society for the Humanities	SYRACUSE U	DH8: DIGITAL HUMANITIES SPEAKER SERIES: DH8	84431	\$2,500
MUTSCHLER, MARTHA A	CALS School of Integrative Plant Science	U OF VERMONT	COMBINING RESISTANCES TO MAJOR BACTERIAL, FUNGAL, AND OOMYCETE DISEASES OF NORTHEAST-ADAPTED TOMATO.	83541	\$14,994
MYERS, ANDREW	Computer Science	NSF	CSR: SMALL: PROTOCOLS AND LANGUAGES FOR LOW-COORDINATION CONSISTENT GEODISTRIBUTED TRANSACTIONS	81904	\$486,797
NIEDERDEPPE, JEFFREY	CALS Communication	WESLEYANU	UNDERSTANDING POLITICAL DISCOURSE AROUND A CULTURE OF HEALTH	79724	\$13,000
NIEMACK, MICHAEL D	Cornell Lab Accelerator Sciences & Ed	U OF CAL (UC SAN DIEGO)	SIMONS OBSERVATORY	84037	\$175,740
NISHIMURA, NOZOMI	Biomedical Engineering	SUNY BING	PERIVASCULAR TRANSPORT OF SOLUTES FROM THE BRAIN	80615	\$180,385
NISHIMURA, NOZOMI	Biomedical Engineering	DHHS (NIH)	DIFFUSE, SPECTRALLY-RESOLVED OPTICAL STRATEGIES FOR DETECTING ACTIVITY OF INDIVIDUAL NEURONS FROM IN VIVO MAMMALIAN BRAIN WITH GEVIS	82208	\$472,656
NYROP, JAN P	CALS PGRU/GGRU	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES - GGRU	84058	\$27,500
NYROP, JAN P	CALS PGRU/GGRU	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES (58-8060-6-008)	80454	\$14,993

NYROP, JAN P	CALS Geneva AES Finance & Operating	NYS (ESD)	2017-2018 NEW YORK STATE ONION RESEARCH AND DEVELOPMENT PROGRAM (ORDP GROWER FUNDS)	83386	\$28,000
NYROP, JAN P	CALS PGRU/GGRU	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES (58-8060-6-007)	80453	\$4,622
NYROP, JAN P	CALS PGRU/GGRU	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES (58-8060-6-004)	80452	\$2,688
ORR, DAVID P	CALS Biological & Environmental Engr	PURDUE	CORRELATION BETWEEN RESILIENCE MODULUS (MR) OF SOIL, LIGHT WEIGHT DEFLECTOMETER,AND FALLING WEIGHT DEFLECTOMETER (FWD)	83416	\$19,416
OVERTON, THOMAS R	CALS Cornell Cooperative Extension	NYS (AGMRKT)	CORNELL FARM LABOR SPECIALIST (2017-2018)	83720	\$200,000
PATTERSON, J RITCHIE	Cornell Lab Accelerator Sciences & Ed	NYS (DED NYS)	CENTER FOR BRIGHT BEAM NYSTAR MATCHING FUNDS	78604	\$1,582,620
PERRY, KEITH L	CALS School of Integrative Plant Science	USDA (ARS)	ADVANCING THE TECHNOLOGIES IN DETECTING, DIAGNOSING, AND CONTROLLING BLACK LEG DISEASE (DICKKEYA SPP.) IN THE US	78174	\$29,070
PERRY, KEITH L	CALS School of Integrative Plant Science	USDA (ARS)	ESTABLISHMENT OF CLEAN SEED SOURCE OF NEW ARS POTATO VARIETIES	81436	\$25,000
PETERSEN, KIRSTIN HAGELSKJAER	Electrical & Computer Engineering	NSF	CPS: MEDIUM: LEVERAGING HONEY BEES AS BIO-CYBER PHYSICAL SYSTEMS	82929	\$956,755
PLEISS, JEFFREY A	Molecular Biology and Genetics	DHHS (NIH)	MECHANISMS OF ENVIRONMENTALLY REGULATED ALTERNATIVE SPLICING IN S.POMBE	81916	\$1,286,768
QI, LING	Nutritional Sciences	DHHS (NIH-NIH NIDDK)	THE ROLE OF SEL1L AND ER QUALITY CONTROL IN ADIPOCYTES	73972	\$5,344
RALPH, DANIEL	Lab. of Atomic & Solid State Physics	DOE	EFFECTS OF LATERAL BROKEN CRYSTAL SYMMETRIES ON SPIN-ORBIT TORQUES AND MAGNETIC ANISOTROPY	82317	\$600,000
RANGARAJAN, ANUSUYA	CALS School of Integrative Plant Science	NYS (AGMRKT)	VETERANS TO FARMS (2017-2018)	83724	\$575,000
RAYOR, LINDA	CALS Entomology	AU MUS TRT	SPECIMEN COLLECTION/STAGE 2/CONTENT & CURATION : SPIDERS: LIFE & DEATH /TOURING EXHIBITION	84481	\$17,821
RICE, AARON N	CALS Lab of O - Programs	US INTERIOR (NPS)	PASSIVE ACOUSTIC MONITORING OF FISH POPULATIONS IN FLORIDA BAY: POPULATION RESTORATION AND CLIMATE MITIGATION	80987	\$216,000
RICE, AARON N	CALS Lab of O - Programs	NSF (NSF GEO)	COLLABORATIVE RESEARCH: MINIATURE LOW-COST VIBRATION	82584	\$263,575
RODEWALD, AMANDA D	CALS Lab of O - Programs	IUP RESEARCH INSTITUTE	TAGS AND COMPUTING INFRASTRUCTURE FOR IDENTIFYING MARINE ANIMAL SOUNDS	84622	\$52,978
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	INVENTORY AND MONITORING OF RELEVANT WILDLIFE SPECIES ACROSS PROPERTIES ENROLLED IN NRCS CONSERVATION PROGRAMS IN APPALACHIAN AND GREAT LAKES AREAS	84551	\$110,000
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	TISSUE-SPECIFIC ANALYSIS OF FRUIT TRANSCRIPTOME ACTIVITY	83796	\$22,000
ROSE, JOCELYN	Institute Biotechnology & Life Science	NATURES BTY	ACQUISITION OF GOODS AND SERVICES	84522	\$48,197
ROSE, JOCELYN	CALS School of Integrative Plant Science	USDA (ARS)	HOW DNA METHODOLOGIES CAN BE BEST USED IN NATURAL PRODUCTION VALIDATION	80765	\$65,000
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	ROLE OF ROOT SYSTEM ARCHITECTURE AND FUNCTION IN IMPROVING CROP NUTRIENT AND WATER EFFICIENCY	81328	\$500,000
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	PROFILING OF DIVERSE MAIZE AND TRIPSACUM TO IDENTIFY FUNCTIONAL VARIANTS	81328	\$780,096
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	PROFILING OF DIVERSE MAIZE AND TRIPSACUM TO IDENTIFY FUNCTIONAL VARIANTS	81328	\$780,096

RUDD, BRIAN D	Microbiology and Immunology	DHHS (NIH-NIH NIAID)	ROLES FOR DEVELOPMENTALLY REGULATED MICRORNAS IN NEONATAL IMMUNITY	80863	\$1,896,612
SABUNCU, MERT	Electrical & Computer Engineering	DHHS (NIH)	NOVEL BIOINFORMATICS STRATEGIES TO STUDY ASSOCIATIONS BETWEEN GENETIC VARIANTS AND NEUROANATOMICAL SHAPE	82214	\$1,409,347
SCHLOM, DARRELL	Materials Science Engineering	SRC	EXCHANGE-COUPLED MAGNETOELECTRIC MULTIFERROIC HETEROSTRUCTURE WITH TC > 400 K	83730	\$300,000
SCHNEIDER, FRED B	Computer Science	DOD (AF-AFOSR)	POLICY ENFORCEMENT BY USING SECURITY LABELS	78401	\$231,361
SCHRYVER, THOMAS	Center for Economic Advancement	NYS (NYSERDA)	76 WEST	76942	\$23,619
SCHULER, KRISTEN	Population Medicine & Diagnostic Science	TWRA	CWD RISK ASSESSMENT AND SURVEILLANCE PLAN	84457	\$28,200
SETHI, SURESH ANDREW	CALS Natural Resources	US INTERIOR (USGS)	DEVELOPMENT OF DESCRIPTIVE INDICES FOR THE SPAWNING AND NURSERY HABITAT FOR GREAT LAKES LAKE HERRING AND THEIR APPLICATION TO AREAS TARGETED FOR RESTORATION	80344	\$11,729
SETHUPATHY, PRAVEEN	Biomedical Sciences	UNC (UNC CHAPEL HILL)	SYSTEMS-LEVEL TRANSCRIPTOMIC ANALYSES TO IDENTIFY MOUSE MODELS OF ASTHMA	83565	\$10,710
SHEEHAN, MICHAEL	CALS Neurobiology & Behavior	DHHS (NIH)	ENCODING KNOWLEDGE IN THE GENOME	81254	\$2,352,500
SHEN, KYLE	Lab. of Atomic & Solid State Physics	NSF	CONTROLLING MAGNETISM , METAL-INSULATOR TRANSITIONS, AND SUPERCONDUCTIVITY IN RUTHENATE THIN FILMS	81689	\$425,000
SHVETS, GENNADY	Applied & Engineering Physics	U OF DAYTON	ELECTRONICALLY TUNABLE MATERIALS AND DEVICES USING SUBWAVELENGTH PARTICLES	82276	\$120,001
SHVETS, GENNADY	Applied & Engineering Physics	DOD (ARMY-ARO)	INVESTIGATIONS OF PHOTONIC TOPOLOGICAL STRUCTURES BASED ON METALLIC AND ALL-DIELECTRIC METAMATERIALS	83009	\$425,400
SILBERSTEIN, MEREDITH	Mechanical & Aerospace Engineering	DOD (NAVY-ONR)	MECHANORESPONSIVE ANTI-FOULING POLYMERS BASED ON UNVEILING FUNCTIONAL CROSS-LINKS	83245	\$420,000
SMITH EINARSON, MARGARET E	CALS School of Integrative Plant Science	SYNGENTA SEED - BOISE	NORTHERN CORN BLIGHT DISEASE SCREENING: SERVICE ORDER 4	84813	\$2,176
SONDERMANN, HOLGER	Molecular Medicine	DHHS (NIH-NIH NIGMS)	MOLECULAR MECHANISM REGULATING PERIPLASMIC PROTEOLYSIS IN BACTERIAL PATHOGENESIS	83288	\$1,239,471
STEENHUIS, TAMMO S	CALS Biological & Environmental Engr	USDA (ARS)	MICRONUTRIENT BIOAVAILABILITY OF FOODS	80784	\$27,000
STEENHUIS, TAMMO S	CALS Biological & Environmental Engr	APLU	FIELD-BASED INNOVATIVE TEACHING OF UPLAND AND GULLY EROSION PROCESSES IN THE HIGHLANDS OF ETHIOPIA	84613	\$3,000
STEINSCHNEIDER, SCOTT	CALS Biological & Environmental Engr	NSF (NSF GEO)	COLLABORATIVE RESEARCH: P2C2--INFERRING SPATIO-TEMPORAL VARIATIONS IN THE RISK OF EXTREME PRECIPITATION IN THE WESTERN UNITED STATES FROM TREE RING CHRONOLOGIES	81652	\$320,527
STYGER, ERIKA	CALS International Programs	CORAF/WECARD	REGIONAL PROJECT: IMPROVING AND SCALING UP THE SYSTEM OF RICE INTENSIFICATION (SRI) IN WEST AFRICA (SRI-WAAPP)	83528	\$50,000
SUNTIVICH, JIN	Materials Science Engineering	DOE	RATIONAL SELECTION OF TRANSITION-METAL OXIDE ELECTROCATALYSTS FROM STRUCTURE-ELECTRONIC STRUCTURE-ACTIVITY RELATIONS: THE ROLE OF DEFECTS, STRAIN, AND SUB-SURFACE LAYERING	81989	\$750,000
TESTER, JEFFERSON	Chemical & Biomolecular Engineering	INL	RECOVERY OF RARE EARTH ELEMENTS FROM SUPERCRITICAL SOLUTION	82444	\$16,000
THACHIL, ANIL J	Population Medicine & Diagnostic Science	DHHS (FDA)	INVESTIGATING QUALITY OF COMMERCIALY AVAILABLE RAW MEAT DIETS FOR COMPANION ANIMALS	70429	\$9,999
THALACKER-MERCER, ANNA E	Nutritional Sciences	USHBC	EFFECT OF A BLUEBERRY ENRICHED DIET ON SKELETAL MUSCLE PROGENITOR CELLS	82422	\$53,329

TURNER, ANDREW S	Bronfenbrenner Ctr forTranslational Rsch	USDA (USDA-NIFA)	NEW YORK 4-H YOUTH COMMUNITY ACTION NETWORK	73280	\$285,175
VAN DER MEULEN, MARJOLEIN C. H.	Biomedical Engineering	DHHS (NIH-NIH NIAMS)	ENHANCING ADAPTATION TO LOADING WITH PTH IN OSTEOPOROSIS	80378	\$385,410
VANDERVEN, BRIAN C	Microbiology and Immunology	DHHS (NIH-NIH NIAID)	PRECLINICAL EVALUATION OF COMPOUNDS THAT INHIBIT CHOLESTEROL UPTAKE IN M. TUBERCULOSIS	83011	\$2,252,574
VARGAS-MENDEZ, LEONARDO	SCL Academic Support	US DEPT OF EDU	CORNELL UNIVERSITY UPWARD BOUND	82102	\$2,819,685
WEINBERGER, KILIAN Q	Computer Science	NSF	TRIPODS: DATA SCIENCE FOR IMPROVED DECISION-MAKING: LEARNING IN THE CONTEXT OF UNCERTAINTY, CAUSALITY, PRIVACY, AND NETWORK STRUCTURES	82918	\$1,496,655
WISE, FRANK W	Applied & Engineering Physics	DHHS (NIH)	LASER AND MICROSCOPE DEVELOPMENT FOR MULTICOLOR NONLINEAR IMAGING DEEP IN TISSUE	75755	\$17,202
WOLFE, DAVID WALTER	CALS School of Integrative Plant Science	NYS (AGMRKT)	SOIL HEALTH INITIATIVE	83655	\$400,000
WOODARD, JOSHUA	CALS AEM	FAIR TRADE	PRICE RISK MANAGEMENT SIMULATOR	84199	\$103,037
WOROBO, RANDY W	CALS Food Science	NYS (DORMITORY)	HIGH PRESSURE PROCESSING FOOD LABORATORY	77931	\$600,000
XING, H GRACE	Electrical & Computer Engineering	NSF	E2CDA: TYPE I: DURABLE, ENERGY-EFFICIENT, PAUSABLE PROCESSING IN POLYMORPHIC MEMORY (DEEP3M)	83017	\$1,866,663
XU, KENONG	CALS School of Integrative Plant Science	OKANAGAN BIOTECHNOLOGY INC.	FIELD TRIAL ACTIVITIES	47057	\$13,631
ZHANG, ZHIRU	Electrical & Computer Engineering	NSF	CAPA:COLLABORATIVE: A MULTI-PARADIGM PROGRAMMING INFRASTRUCTURE FOR HETEROGENEOUS ARCHITECTURES	82186	\$425,000
ZIEBARTH, NICOLAS R	Policy Analysis and Management	RWJF	THE IMPACT OF US SICK PAY MANDATES ON COVERAGE RATES, ABSENCE BEHAVIOR, AND THE SPREAD OF DISEASES	83714	\$200,000