

**Cornell University, Office of Sponsored Programs**  
**Awards Received in July 2017**

<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	WH GROUP LTD (SZSE)	ENGINEERING EXCHANGE RESINS TO OBTAIN HIGH PURITY HEPARIN	83401	\$753,653
ABERS, GEOFFREY A	Earth & Atmospheric Sciences	US INTERIOR (USGS)	EARTH STRUCTURE EFFECTS ON WAVE PROPAGATION OF THE DAMAGING 2016 M7.1 INISKIN ALASKA EARTHQUAKE AND OTHER IN-SLAB EARTHQUAKES	80147	\$70,019
AGARWAL, RACHIT	Computer Science	NSF	NETS: CSR: LARGE: COLLABORATIVE RESEARCH: CO-DESIGN OF NETWORK, STORAGE AND COMPUTATION FABRICS FOR DISAGGREGATED DATACENTERS	81616	\$2,099,897
ALCAINE, SAMUEL D	CALS Food Science	DAIRY RES INST	EVALUATION OF COMMERCIAL BIO-PROTECTIVE CULTURES AND THEIR ABILITY TO INHIBIT THE OUTGROWTH OF EUKARYOTIC SPOILERS IN CHEESE	83454	\$60,000
ALDWINCKLE, HERBERT S	CALS School of Integrative Plant Science	CENICAFE	SEQUENCING & ASSEMBLY OF GENOMICS OF COFFEA SPECIES: ASSIGNMENT OF CENICAFE-ROCHE DIAGNOSTICS AGREEMENT TO CORNELL	74352	\$51,451
ARISTILDE, LUDMILLA	CALS Biological & Environmental Engr	NSF (NSF MPS)	COLLABORATIVE PROPOSAL: INFEWS N/P/H2O: SUPRAMOLECULAR RECOGNITION IN THE BIOCATALYTIC TRANSFORMATION OF ORGANIC PHOSPHORUS-CONTAINING ENVIRONMENTAL MATRICES	81829	\$304,763
BICALHO, RODRIGO	Population Medicine & Diagnostic Science	COLORADO ST U	GENOMIC SELECTION FOR IMPROVED FERTILITY OF DAIRY COWS WITH EMPHASES ON CYCLICITY AND PREGNANCY	79465	\$9,714
BIGLER, ESTA R	Industrial & Labor Relations Ext Orgs	OUTTEN AND GOLDEN	THE CORNELL PROJECT FOR RECORDS ASSISTANCE	83190	\$3,300,000
BOGDANOWICZ, STEVEN M	CALS Ecology & Evolutionary Biology	NSF (NSF BIO)	COLLABORATIVE RESEARCH - SG: THE IMPORTANCE OF SEX-CHROMOSOMES IN SPECIATION: ARE GENES THAT DO NOT INTROGRESS CONCENTRATED ON THE X CHROMOSOME?	80800	\$58,794
BONASSAR, LAWRENCE	Biomedical Engineering	HISTOGENICS	MECHANICAL EVALUATION AND 3D BIOPRINTING OF NEOCART ENGINEERED CARTILAGE	73892	\$343,436
BRENNA, J THOMAS	Nutritional Sciences	DHHS (NIH-NIH NCCAM)	MOLECULAR MECHANISM OF OMEGA-3 RESPONSE	67212	\$38,045
BRETSCHER, ANTHONY P	Molecular Biology and Genetics	DHHS (NIH-NIH NIGMS)	PREDOCTORAL TRAINING IN CELLULAR AND MOLECULAR BIOLOGY	73626	\$7,076
BRITO, ILANA L	Biomedical Engineering	NSF	ABI INNOVATION: TOOLS FOR RECONSTRUCTING MOBILE GENETIC ELEMENTS FROM SHOTGUN METAGENOMIC DATA	80866	\$1,029,606
BROCK, JOEL D	Cornell Lab Accelerator Sciences & Ed	NSF (NSF MPS)	OPERATION OF CORNELL HIGH ENERGY SYNCHROTRON SOURCE (CHESS)	69874	\$200,001
CALICCHIA, MARCIA	Industrial & Labor Relations Ext Orgs	NYS (OCFS)	OFFICE OF CHILDREN AND FAMILY SERVICES AND LOCAL DISTRICT PROCESS REVIEWS AND TRAINING SUPPORT	80872	\$133,000
CASASOLA, MARIANELLA	Human Development	NSF	COGNITIVE DEVELOPMENT SOCIETY DIVERSITY AWARDS	83663	\$19,925
CHANG, YUNG-FU	Population Medicine & Diagnostic Science	BARC	IDENTIFICATION OF VIRULENCE-ASSOCIATED GENES IN MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS BY MUTANT-LIBRARY CONSTRUCTION	77795	\$50,000
CHU, MIYOKO	CALS Lab of O - Programs	NSF (NSF EHR)	PUBLIC PARTICIPATION IN SCIENTIFIC RESEARCH: DESIGNING AN ONLINE COLLABORATIVE SYSTEM FOR RESEARCH & LEARNING USING LIVE BIRD CAMS	81696	\$1,686,458
CULTRERA, LUCA	Cornell Lab Accelerator Sciences & Ed	DYNASIL (RMD)	MANUFACTURING OF RELIABLE BIALKALI PHOTOCATHODES VIA SPUTTERING FOR THE ELECTRON-ION COLLIDER: SBIR PHASE 1 C17-26	81601	\$15,000

DE JONG, WALTER	CALS School of Integrative Plant Science	NYS (AGMRKT)	2017 LEAF SAMPLE FINGERPRINTING (NYS PO# 5567)	83484	\$6,500
DICKINSON, JANIS L	CALS Lab of O - Programs	NSF	DIP: POTENTIAL FOR EVERYDAY LEARNING IN A VIRTUAL COMMUNITY: A DESIGN-BASED INVESTIGATION	73150	\$128,891
DICKINSON, JANIS L	CALS Lab of O - Programs	WHRC	COLLABORATIVE RESEARCH: MSB-FRA: ALTERNATIVE ECOLOGICAL FUTURES FOR THE AMERICAN RESIDENTIAL MACROSYSTEM	83469	\$66,464
ELVINGER, FRANCOIS	Animal Health Diagnostic Center	USDA (USDA APHIS)	NATIONAL ANIMAL HEALTH DIAGNOSTIC LABORATORY	83379	\$218,488
ESTRIN, DEBORAH	Tech Research	NSF	CHS: MEDIUM: IMMERSIVE RECOMMENDATION SYSTEMS-USER-CENTRIC	81100	\$1,199,998
EVANEGA, SARAH N	CALS International Programs	USDA (FAS)	RECOMMENDATION MODELS AND APPLICATIONS		
FLANAGAN, EANNA	Cornell Lab Accelerator Sciences & Ed	NSF	2017 - BUILDING BIOTECH ADVOCACY IN INDIA	80268	\$58,520
FLETCHER, DANIEL J	Clinical Sciences	N.CAR ST U	GRAVITATION PHYSICS AND RELATIVISTIC ASTROPHYSICS	81518	\$460,000
FONTES, ERNEST	Cornell Lab Accelerator Sciences & Ed	NSF	THE EFFECT OF TRANEXAMIC ACID ON HYPERFIBRINOLYSIS IN THE DOG FOLLOWING TRAUMA	79793	\$56,606
FORTIER, LISA	Clinical Sciences	COLUMBIA U	CHESSE WORKSHOP ON EMERGING FRONTIERS IN ENGINEERING	83529	\$12,000
FREED, JACK H	Chemistry and Chemical Biology	DHHS (NIH-NIH NIGMS)	KNEE MENISCUS REGENERATION	68895	\$177,655
FUCHS, GREGORY D	Applied & Engineering Physics	NSF (NSF ENG)	NATIONAL BIOMEDICAL CENTER FOR ADVANCED ESR TECHNOLOGY (ACERT)	79051	\$5,585,542
GIORDANO, JULIO O	CALS Animal Science	USDA (USDA-NIFA)	SPIN HALL AUTO-OSCILLATOR DEVICES IN MAGNONIC CRYSTALS	81211	\$359,998
GLAHN, RAYMOND P	CALS Food Science	NESTLE (NESTEC LTD)	IMPROVING DAIRY COW HEALTH MONITORING AND MANAGEMENT USING AUTOMATED SENSORS	80694	\$495,000
GOLDBERG, JESSE H	Neurobiology and Behavior	PEW TRUSTS	EVALUATION OF THE AMOUNT OF PHYTIC ACID IN FLOUR CEREAL-BASED SAMPLES AND FE BIOACCESSIBILITY FROM FORTIFIED FOOD PRODUCTS USING THE IN VITRO DIGESTION/CACO2 CELL MODEL	83984	\$28,675
GRUNER, SOL M	Lab. of Atomic & Solid State Physics	DOE	NEUROBIOLOGY MECHANISMS OF TRIAL-AND-ERROR LEARNING IN SONGBIRDS	73291	\$15,000
GRUNER, SOL M	Lab. of Atomic & Solid State Physics	FEI	ADVANCED MIXED-MODE PIXEL ARRAY DETECTOR FOR X-RAYS ABOVE 20 KEV	82869	\$1,799,000
HAJEK, ANN E	CALS Entomology	USDA (FOREST)	IFEI EM-PAD (PHASE L & 2 &4)	79321	\$85,138
HAJEK, ANN E	CALS Entomology	USDA (FOREST)	EFFECT OF NATIVE DELADENUS PROXIMUS AND INTRODUCED DELADENUS SIRICIDICOLA (NON-STERILIZING STRAIN) ATTACKING SIREX NOCTILIO AND SIREX NIGRICORNIS IN NORTH AMERICA	67525	\$60,000
HARE, MATTHEW P.	CALS Natural Resources	SUNY (NY SEA GRANT)	DETECTION AND QUANTIFICATION OF AIRBORNE ENTOMOPHAGA MAIMAIGA CONIDIA	76745	\$20,000
HELBLING, DAMIAN E	Civil & Environmental Engineering	ENVDFUND	IDENTIFYING GENETIC AND HABITAT LIMITATIONS TO CISCO RESTORATION IN LAKE ONTARIO	76155	\$100,715
HEWSON, IAN	CALS Microbiology	NSF (NSF GEO)	CHARACTERIZATION AND QUANTIFICATION OF CHEMICAL ADDITIVES IN FLOWBACK AND PRODUCED WATERS GENERATED DURING OIL AND GAS DEVELOPMENT	83216	\$70,000
HINES, MELISSA A	Cornell Center for Materials Research	NSF (NSF ENG)	COLLABORATIVE PROPOSAL: SELECTION AND GENETIC SUCCESSION IN THE INTERTIDAL - POPULATION GENOMICS OF PISASTER OCHRACEUS DURING A WASTING DISEASE OUTBREAK AND ITS AFTERMATH	82800	\$173,863
			CORNELL CENTER FOR MATERIALS RESEARCH - MRSEC	63016	\$202,501

HOFFSTAETTER, GEORG	Cornell Lab Accelerator Sciences & Ed	BROOKHAVEN	CORNELL-BROOKHAVEN ERL TEST ACCELERATOR (CBETA)	82010	\$1,500,000
HOLM RILEY, TARA S	Mathematics	NSF	MOMENTUM MAPS I SYMPLECTIC ALGEBRAIC AND DISCRETE GEOMETRY	81756	\$182,597
HOOKER, GILES J	CALS Biology Stats & Computational Biol	NSF	COLLABORATIVE RESEARCH: STATISTICAL INFERENCE USING RANDOM FORESTS AND RELATED METHODS	81863	\$215,078
JOO, YONG L	Chemical & Biomolecular Engineering	HYUNDAI	DEVELOPMENT OF HIGH ENERGY DENSITY LI-ION BATTERY ANODES	82729	\$108,000
KNUTH, BARBARA A	Graduate School Financial Aid	NSF	VIA AIR- CONTROLLED ELECTROSPRAY GRADUATE RESEARCH FELLOWSHIP PROGRAM (GRFP)	81023	\$7,620,498
KRAFT, CLIFFORD E	CALS Natural Resources	SUNY BROCKPORT	PRIORITIZED RESEARCH OBJECTIVES SURROUNDING LAKE ONTARIO THIAMINE/THIAMINASE VARIABILITY AND IMPACTS	79414	\$32,628
KRESS GAZIT, HADAS	Mechanical & Aerospace Engineering	NSF	DCSD: EAGER: RELIABLE CONTROL FOR SOFT ROBOTS THROUGH SENSOR PLACEMENT	83630	\$147,746
KRISHNAMURTHY, VIKRAM LAL, AMIT	Tech Research Electrical & Computer Engineering	DOD (ARMY-ABERDEEN) DOD (NAVY-SSCSD)	DYNAMICS OF INTERACTIVE SOCIAL SENSORS MULTI-FOUNDRY CMOS INTEGRATED ULTRASONIC COMMUNICATION LINKS FOR TRUSTED INTEGRATED CIRCUITS	80695 66553	\$223,598 \$258,000
LIFKA, DAVID	Center for Advanced Computing	NSF (NSF CISE)	CC*DNI DIBBS: DATA ANALYSIS AND MANAGEMENT BUILDING BLOCKS FOR MULTI-CAMPUS CYBERINFRASTRUCTURE THROUGH CLOUD FEDERATION	76221	\$986,580
LIS, JOHN T	CALS Molecular Biology & Genetics	DHHS (NIH)	HIGH-THROUGHPUT FUNCTIONAL CHARACTERIZATION OF HUMAN ENHANCERS	79660	\$358,970
LYONS, CURTIS	Catherwood Library	NYS (NYSEDUC)	FUNDING FOR MATERIAL AND EQUIPMENT NEEDS OF THE CATHERWOOD LIBRARY	80981	\$50,000
MANNING, STURT	Classics	US INTERIOR (NPS)	CONDUCT GEOPHYSICAL SUB-SURFACE RESOURCE SURVEY AT ALASKA'S NATIONAL PARKS	79944	\$32,866
MARSCHNER, STEPHEN R	Computer Science	NSF (NSF CISE)	CHS: MEDIUM: COLLABORATIVE RESEARCH: BEYOND SMOOTH BRDFS FOR COMPUTER GRAPHICS RENDERING	81480	\$587,537
MARTINEZ-MATSUDA, VERONICA	Labor Relations, Law, & History	WOODROW WILSON FOUNDATION	2017 CAREER ENHANCEMENT FELLOWSHIP FOR JUNIOR FACULTY	84131	\$30,000
MICHAELY, RONI	Tech Research	TEVA	SERVICES AGREEMENT: SOFT TERM	82146	\$20,000
MILLER, ANDREW T	Office of Academic Diversity Initiatives	NYS (NYSEDUC)	ARTHUR O. EVE HIGHER EDUCATION OPPORTUNITY PROGRAMS BID PROPOSAL GC#14-003	73366	\$1,044,011
MUELLER, ERICH	Lab. of Atomic & Solid State Physics	NSF	REALIZING EXOTIC QUANTUM STATES WITH COLD ATOMS	74997	\$4,000
NYGREN, SAM R	CALS Food Science	NSF (NSF ENG)	COLLABORATIVE RESEARCH: PHAGE-BASED NANOBIOSENSORS FOR THE RAPID DETECTION OF FOOD AND WATERBORNE PATHOGENS	81741	\$220,000
NYDAM, DARYL V	Population Medicine & Diagnostic Science	DELAVAL- KANSAS CITY	EVALUATION OF THE EFFICACY OF A LOW FREE IODINE TEAT DISINFECTANT IN REDUCING NEW INTRAMAMMARY INFECTIONS	82262	\$46,771
NYDAM, DARYL V	Population Medicine & Diagnostic Science	DELAVAL- KANSAS CITY	EVALUATION OF THE EFFICACY OF A HIGH FREE IODINE TEAT DISINFECTANT IN REDUCING NEW INTRAMAMMARY INFECTIONS	82263	\$46,771
NYROP, JAN P	CALS PGRU/GGRU	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES - PGRU	84056	\$29,700
NYROP, JAN P	CALS PGRU/GGRU	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES - FACILITIES	84057	\$66,000
NYROP, JAN P	CALS PGRU/GGRU	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES - GGRU	84058	\$18,282
NYROP, JAN P	CALS PGRU/GGRU	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES - ROOTSTOCK	84059	\$8,800
OBER, CHRISTOPHER K	Materials Science Engineering	NSF	EFFECT OF STRESS RELIEF AND IONIC CHARGE ON POLYELECTROLYTE BRUSH BEHAVIOR	81365	\$389,139

OBER, CHRISTOPHER K	Materials Science Engineering	JSR	OXIDE NANOPARTICLE EUV (ONE) PHOTORESIST STUDIES	76602	\$500,000
OVERTON, THOMAS R	CALS Cornell Cooperative Extension	NYS (NYS DEC)	PESTICIDE SALES AND USE REPORTING DATABASE	83085	\$1,481,000
PADILLA-ZAKOUR, OLGA I	CALS Food Science	WH GROUP LTD (SZSE)	INCREASING SHELF-LIFE OF STICKY RICE SAUSAGE BY MINIMIZING RETROGRADATION	83402	\$204,842
PARIAUT, ROMAIN	Clinical Sciences	CEVA SA	EFFECTS OF SPIRONOLACTONE ON ARRHYTHMIA BURDEN AND HEART RATE VARIABILITY PARAMETERS IN DOGS WITH CLINICAL DILATED CARDIOMYOPATHY: A PILOT STUDY	83491	\$25,905
PARKER, JOHN S	Baker Institute for Animal Health	DHHS (NIH-NIH NIAID)	SHORT TERM TRAINING OF STUDENTS IN THE HEALTH PROFESSIONS	65969	\$1,053
PARKER, JOHN S	Baker Institute for Animal Health	BURROUGHS W FND	BECOMING FACULTY WORKSHOP/MERIAL CONFERENCE/LEADERSHIP (CONTRACT)	84170	\$15,000
PECK, MASON	Mechanical & Aerospace Engineering	NASA (JPL)	MAGNETIC FLUX PINNING FOR ORBITING SAMPLE CULTURE	82377	\$12,500
PETERS, SCOTT	CALS Development Sociology	U OF WYOMING	FOOD DIGNITY: ACTION RESEARCH ON ENGAGING FOOD INSECURE COMMUNITIES AND UNIVERSITIES IN BUILDING SUSTAINABLE COMMUNITY FOOD SYSTEMS	62595	\$19,978
REEVES, ANTHONY P	Electrical & Computer Engineering	MOUNT SINAI	FAMRI-IELCAP COLLABORATIVE NETWORK, PILOT PROJECT	70048	\$80,000
REID, JUDSON EDWARD	CALS Cornell Cooperative Extension	CCE CLINTON	ADVANCING VEGETABLE PRODUCTION IN NNY	81551	\$10,679
REISCH, BRUCE I	CALS School of Integrative Plant Science	USDA (ARS)	GENETIC MAPPING OF PHENOLOGICAL TRAITS IN HYBRID GRAPE MAPPING POPULATIONS	83527	\$10,621
ROSE, JOCELYN	Institute Biotechnology & Life Science	USDA (ARS)	ACQUISITION OF GOODS AND SERVICES	83796	\$99,999
RUSSELL, DAVID G	Microbiology and Immunology	DHHS (NIH)	A MECHANISTIC UNDERSTANDING OF TUBERCULOSIS PROGRESSION THROUGH BACTERIAL REPORTER STRAINS	82337	\$3,536,801
SABUNCU, MERT	Electrical & Computer Engineering	DHHS (NIH)	ADVANCED MACHINE LEARNING ALGORITHMS THAT INTEGRATE GENOMEWIDE, LONGITUDINAL MRI AND DEMOGRAPHIC DATA TO PREDICT FUTURE COGNITIVE DECLINE TOWARD DEMENTIA	83383	\$2,047,500
SANDERSON, JOHN P	CALS Entomology	GLOECKNER FDN	INVESTIGATING BIOLOGICAL CONTROL OF APHIDS ON CALIBRACHOA	83260	\$10,000
SCHAFFER, CHRIS	Biomedical Engineering	NYS (NYS HEALTH)	IN VIVO THREE-PHOTON EXCITED FLUORESCENCE IMAGING OF SPINAL CORD NEURAL ACTIVITY IN AWAKE, LOCOMOTING MICE AFTER SPINAL CORD INJURY	80896	\$135,600
SCHIMENTI, JOHN C	Biomedical Sciences	DHHS (NIH-NIH NICHD)	RESEARCH AND CAREER TRAINING IN VERTEBRATE DEVELOPMENTAL GENOMICS	76969	\$4,798
SCHRYVER, THOMAS	Center for Economic Advancement	NYS (NYSERDA)	76 WEST	76942	\$335,472
SCOTT, JEFFREY G	CALS Entomology	DHHS (NIH)	USING PROTEOMICS TO IDENTIFY THE P450S RESPONSIBLE FOR PYRETHROID RESISTANCE IN AEDES AEGYPTI	81650	\$430,500
SCOTT, ROBERT	Cornell Prison Education Program	DANY	EXPANDING THE PRE-RELEASE AND REENTRY SERVICES OF THE CORNELL PRISON EDUCATION PROGRAM	79545	\$750,000
SONG, JEONGMIN	Microbiology and Immunology	DAEWOONG	INVESTIGATING THE IMMUNOGENICITY OF BOTULINUM TOXIN PRODUCTS USING LABORATORY ANIMALS.	83570	\$87,869
SPARKS, JED P	Ecology and Evolutionary Biology	USDA (FOREST)	RIPARIAN CORRIDOR RESTORATION ON THE FINGER LAKES NATIONAL FOREST	84100	\$14,596
STEINSCHNEIDER, SCOTT	CALS Biological & Environmental Engr	SUNY (NY SEA GRANT)	RAPID RESPONSE: DEVELOPING AND DISTRIBUTING A FLOOD DAMAGE REPORTING PROTOCOL FOR COMMUNITIES ALONG THE SOUTHERN SHORE OF LAKE ONTARIO	83567	\$14,930
STOVER, PATRICK J	Nutritional Sciences	DHHS (NIH-NIH NIDDK)	HOMEOSTATIC REGULATION OF FOLATE METABOLISM	83986	\$1,960,000
TAIT WOJNO, ELIA D	Baker Institute for Animal Health	DHHS (NIH)	THE NOTCH SIGNALING PATHWAY REGULATES BASOPHIL RESPONSES DURING HELMINTH INFECTION	81508	\$1,960,000
TONG, LANG	Electrical & Computer Engineering	ARIZONA STATE U	PSERC-TONG	65603	\$17,500

TONG, LANG	Electrical & Computer Engineering	ARIZONA STATE U	PSERC-TONG	65603	\$15,000
TURNER, ANDREW S	Bronfenbrenner Ctr forTranslational Rsch	NATL 4-H	CODING CURIOSITY: NURTURING A NYS 4-H COMPUTER SCIENCE LEARNING ECOSYSTEM	83526	\$12,000
VENGALATTORE, MUKUND	Lab. of Atomic & Solid State Physics	NSF	NOVEL PHASES AND DYNAMICS OF OPTICAL LATTICE GASES UNDER CONTINUOUS QUANTUM MEASUREMENT	81674	\$365,547
VITOUSEK-BEMIS, MAREN N	CALS Ecology & Evolutionary Biology	US INTERIOR	UNCOVERING THE MECHANISTIC LINKS BETWEEN STRESSOR EXPOSURE, THE SOCIAL ENVIRONMENT, AND FUTURE PERFORMANCE	82488	\$897,770
VOGT, VOLKER M	CALS Molecular Biology & Genetics	DHHS (NIH)	STRUCTURE AND ASSEMBLY OF RETROVIRUSES	81218	\$1,437,629
WAKSHLAG, JOSEPH	Clinical Sciences	LITECURE	PILOT STUDY ON EFFECTS OF THERAPEUTIC LASER ON CYTOKINES AND INFLAMMATION IN GERIATRIC BEAGLES	84021	\$29,351
WANG, MICHELLE D	Lab. of Atomic & Solid State Physics	DHHS (NIH)	TRAINING IN MOLECULAR PHYSICS OF BIOLOGICAL SYSTEMS	79044	\$20,215
WEISS, JESSICA CHEN	Government	LSE	POLITICAL CONSEQUENCES OF PUBLIC PERCEPTIONS OF CHINESE INVESTMENT IN MYANMAR	83337	\$16,985
WIEDMANN, MARTIN	CALS Food Science	NESTLE	A SURVEY EXPERIMENTAL APPROACH CORNELL COLLABORATION ON WHOLE GENOME SEQUENCING OF FOODBORNE PATHOGENS	83629	\$150,000
YU, HAIYUAN	Weill Institute	NSF	COLLABORATIVE RESEARCH: ABI INNOVATION: A GRAPH BASED APPROACH FOR THE GENOME WIDE PREDICTION OF CONDITIONALLY ESSENTIAL GENES	81147	\$639,600