

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

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
ANDERSEN, ERIK L	Computer Science	NSF	CRII: CYBERLEARNING: AUTOMATIC DISCOVERY OF OPTIMAL PROGRESSIONS OF LANGUAGE CONTENT	80945	\$174,999
ARISTILDE, LUDMILLA	CALS Biological & Environmental Engr	NSF (NSF BIO)	CAREER: METABOLOMICS-ENABLED APPROACHES TO ADVANCE CHARACTERIZATION OF ORGANIC MATTER TRAPPING IN NATURAL AND ENGINEERED MATRICES	80793	\$600,000
BANERJEE, SIDDHARTHA	Operations Research & Information Engr	DOD (ARMY-ABERDEEN)	OPERATIONS AND THE SHARING ECONOMY: MECHANISMS FOR ON-DEMAND RESOURCE SHARING WITH MILITARY APPLICATIONS	81703	\$390,420
BARBASH, DANIEL A	CALS Molecular Biology & Genetics	DHHS (NIH-NIH NIGMS)	THE GENETIC AND MECHANISTIC BASIS OF FEMALE PREFERENCE: A KEY TRAIT INITIATING THE SPECIATION PROCESS	78735	\$2,844
BARRETT, CHRISTOPHER	CALS AEM	KIMETRICA	FAMINE EARLY WARNING SYSTEM NETWORK (FEWS NET 7)	82386	\$89,148
BRONFENBRENNER, KATE	Resident Outreach Department	CAP	OUTSOURCE TRACKER	82227	\$119,305
CHATTERJEE, SHAMIBRATA	Center Astrophysics-Planetary Science	SMITHSONIAN (SAO)	COORDINATED X-RAY AND RADIO OBSERVATIONS OF THE REPEATING FAST RADIO BURST 121102	81353	\$12,000
CHEETHAM, JONATHAN	Clinical Sciences	WCM	IN VIVO CELL BASED ANNULAR REPAIR IN A RAT/SHEEP MODEL USING HIGH-DENSITY COLLAGEN GELS	81609	\$41,382
CHEN, YUDONG	Operations Research & Information Engr	NSF	CRII:CF: LIMITS AND ROBUSTNESS OF NONCONVEX LOW-RANK ESTIMATION	80864	\$175,000
CORDES, JAMES M	Center Astrophysics-Planetary Science	U OF WISCONSIN SYS	NSF PHYSICS FRONTIER CENTER PROGRAM: NORTH AMERICAN NANOHERTZ OBSERVATORY FOR GRAVITATIONAL WAVES	72662	\$40,000
DANDO, ROBIN	CALS Food Science	HELIAE	FRESH STRAWBERRIES: QUALITY ASSESSMENT ON 14 TREATMENTS	82897	\$16,634
DANKO, CHARLES G	Baker Institute for Animal Health	DHHS (NIH-NIH NHGRI)	MAPPING RNA POLYMERASE IN TISSUE SAMPLES WITH CHRO-SEQ	79264	\$1,891,325
DAUGHTREY, MARGERY L	CALS School of Integrative Plant Science	RUTGERS	ENHANCED MITIGATION OF IDM, CDM, AND OTHER INVASIVE DOWNY MILDEWS THROUGH EPIDEMIOLOGICAL & GENETIC APPROACHES	81180	\$32,365
DAUGHTREY, MARGERY L	CALS School of Integrative Plant Science	RUTGERS	BOXWOOD BLIGHT MITIGATION STRATEGIES	81393	\$3,749
DIMIDUK, KATHRYN CONWAY	Dean and Associate Deans	U OF ROCHESTER	INCLUSION ACROSS THE NATION OF COMMUNITIES OF LEARNERS OF UNDERREPRESENTED DISCOVERERS IN ENGINEERING AND SCIENCE	80369	\$63,547
ELVINGER, FRANCOIS	Animal Health Diagnostic Center	NYS (AGMRKT)	AVIAN INFLUENZA SURVEILLANCE TESTING (LPAI)	75568	\$154,300
ERICKSON, DAVID C	Mechanical & Aerospace Engineering	FUZEHUB	A NUTRIPHONE IN EVERY HOUSE – ENABLING MANUFACTURING OF A PERSONAL VITAMIN DEFICIENCY TEST	82326	\$74,980
EVANEGA, SARAH N	CALS International Programs	KANSAS ST U	EDITING GENOME FOR IMPROVING WHEAT YIELD AND YIELD-RELATED TRAITS	79905	\$85,713
FUCHS, GREGORY D	Applied & Engineering Physics	DOD (NAVY-ONR)	CONTROL OF MECHANICAL QUANTUM STATES USING DIAMOND SPINS	81424	\$780,000
GODDARD, JULIE MELISSA	CALS Food Science	USDA (USDA-NIFA)	PREVENTING SPOILAGE OF PACKAGED FOODS BY NON-MIGRATORY ACTIVE PACKAGING	79943	\$473,907
GOGGS, ROBERT A N	Clinical Sciences	TEXAS A&M (TEXAS AGRILIFE)	ANTIBIOTIC USE, RESISTANCE, AND STEWARDSHIP IN VETERINARY PRACTICE FOR DOMAIN 8	81490	\$98,152
GORE, MICHAEL A	CALS School of Integrative Plant Science	NY FARM VIABILITY INST	PRECISION AGRICULTURE RESEARCH INITIATIVE	81305	\$47,251

HANSON, MAUREEN R	CALS Molecular Biology & Genetics	WCM	IMMUNE CELL GENE EXPRESSION AND PREDICTIVE MODELS IN CFS	68875	\$31,149
HARRINGTON, LAURA C	CALS Entomology	DHHS (NIH)	NEW TARGETS FOR REPRODUCTIVE CONTROL OF MOSQUITO VECTORS	80960	\$2,370,005
HARRINGTON, LAURA C	CALS Entomology	NYS (AGMRKT)	2016 HONEY BEE RESEARCH	80275	\$50,000
HARRINGTON, LAURA C	CALS Entomology	DHHS (CDC)	NORTHEAST REGIONAL CENTER FOR EXCELLENCE IN VECTOR BORNE DISEASES	81477	\$9,999,936
HAYES, ALEXANDER G	Center Astrophysics-Planetary Science	SCIENCE	LIFE ON THE EDGE: TRAVELING EXHIBITION	78723	\$99,962
HOSKINS, SUSAN B	CALS School of Integrative Plant Science	NYS (AGMRKT)	AGRICULTURAL DISTRICTS MAPPING PROGRAM	70318	\$67,233
HOWARTH, ROBERT W	CALS Ecology & Evolutionary Biology	NSF (NSF BIO)	LTREB: NUTRIENTS AND CLIMATE AS DRIVERS OF CARBON SEQUESTRATION AND ECOSYSTEM METABOLISM IN A SHALLOW COASTAL ECOSYSTEM DURING RECOVERY FROM NITROGEN POLLUTION	79127	\$449,950
JENA, DEBDEEP	Electrical & Computer Engineering	NOTRE DAME	GAN HOMOEPITAXIAL WAFERS FOR VERTICAL HIGH-POWER DEVICES GROWN BY VAPOR PHASE EPITAXY ON LOW-COST, HIGH QUALITY AMMONOTHERMAL GAN SUBSTRATES (PHASE 11)	76310	\$60,000
JOO, YONG L	Chemical & Biomolecular Engineering	MERCK KGAA	MOLECULAR MODELING OF DEFECTS IN THE LINE-SPACE PATTERNS OF DIRECTED SELF-ASSEMBLY OF BLOCK COPOLYMER LITHOGRAPHY	81244	\$100,000
KETTERINGS, QUIRINE	CALS Animal Science	USDA (NRCS)	REVISING AND IMPLEMENTING PHOSPHORUS INDICES TO PROTECT WATER QUALITY IN THE NORTHEASTERN US	80055	\$994,172
KIM, EUN-AH	Lab. of Atomic & Solid State Physics	G&B MOORE FDN	EPIQS THIRD ANNUAL SUMMER SCHOOL AT CORNELL UNIVERSITY (2017)	82534	\$12,000
KINZLER, KATHERINE DIANE	Psychology	DHHS (NIH)	INFANTS' AND CHILDREN'S REASONING ABOUT FOODS	82229	\$290,040
KOURKOUTIS, LENA FITTING	Applied & Engineering Physics	NSF	CAREER: ANALYTICAL CRYO-SCANNING TRANSMISSION ELECTRON MICROSCOPY FOR UNDERSTANDING PHYSICAL AND CHEMICAL PROCESSES AT LIQUID/SOLID INTERFACES	80642	\$550,000
LI, SHANJUN	CALS AEM	3IE	USING BIG DATA TO EVALUATE THE IMPACTS OF TRANSPORTATION INFRASTRUCTURE INVESTMENT: THE CASE OF SUBWAY SYSTEMS IN BEIJING	80107	\$340,000
LIEPE, MATTHIAS U	Cornell Lab Accelerator Sciences & Ed	BROOKHAVEN	NSLS-II 500 MHZ SUPERCONDUCTING VERTICAL TEST	82291	\$283,350
LIFKA, DAVID	Center for Advanced Computing	U OF ILLINOIS (UIUC)	XSEDE 2.0: INTEGRATING, ENABLING AND ENHANCING NATIONAL CYBERINFRASTRUCTURE WITH EXPANDING COMMUNITY INVOLVEMENT	77110	\$3,128,925
LIS, JOHN T	CALS Molecular Biology & Genetics	DHHS (NIH)	HIGH-THROUGHPUT FUNCTIONAL CHARACTERIZATION OF HUMAN ENHANCERS	79660	\$2,654,759
LOVETTE, IRBY J	CALS Lab of O - Programs	NSF (NSF BIO)	DISSERTATION RESEARCH: SURVIVING THE K/PG MASS EXTINCTION: THE GENOME AS A LIFE HISTORY CHARACTER IN BIRDS	81521	\$20,226
LUNINE, JONATHAN	Center Astrophysics-Planetary Science	NASA (JPL)	DISTINGUISHED VISITING SCIENTIST	82586	\$78,874
LYNCH, MICHAEL	Science and Technology Studies	NSF	DOCTORAL DISSERTATION RESEARCH: THE PRACTICE OF REGISTERING INDIAN CITIZENS USING BIOMETRIC INFORMATION	80869	\$14,257
MACMARTIN, DOUGLAS G	Mechanical & Aerospace Engineering	DOE (PNNL)	EXPLORING THE SPACE OF ACHIEVABLE CLIMATE OBJECTIVES THROUGH CLIMATE ENGINEERING	81977	\$24,999
MARQUIS, HELENE	Microbiology and Immunology	U SYS OF MARYLAND (U MD COLLEGE PK)	DEVELOPMENT OF A PHAGE-BASED DIAGNOSTIC TEST FOR THE RAPID DETECTION OF PATHOGENIC VIBRIO SPECIES IN BIVALVES	77454	\$191,424

MCCOMAS, KATHERINE A	CALS Communication	NSF (NSF SBE)	DOCTORAL DISSERTATION RESEARCH IN DRMS: REVEALING THE ATTITUDE STRENGTH ATTRIBUTES UNDERLYING TRUST IN RISK MANAGERS	81004	\$23,465
MCEUEN, PAUL L	Lab. of Atomic & Solid State Physics	SUNY (SUNY POLY)	INSTITUTE FOR NANOELECTRONICS DISCOVERY AND EXPLORATION (INDEX) 2.0	71513	\$50,000
MOLNAR, ALYOSHA	Electrical & Computer Engineering	COLUMBIA U	EFRI NEWLAW: NOVEL APPROACHES TO RF NON-RECIPROcity IN SEMICONDUCTOR SYSTEMS	79820	\$800,000
MORARU, CARMEN I	CALS Food Science	USDA (USDA-NIFA)	NOVEL TECHNOLOGIES, NEW REGULATIONS: CRITICAL ISSUES FOR THE VALIDATION OF NONTHERMAL PROCESSING FOR CONTROLLING PATHOGENS IN FOODS TO ENSURE FSMA COMPLIANCE	80997	\$50,000
MORONI, PAOLO	Population Medicine & Diagnostic Science	SAFEGUARD BIOSYSTEMS	MICROARRAY DEVELOPMENT	70320	\$109,575
NISHIMURA, NOZOMI	Biomedical Engineering	U OF ROCHESTER	HYPERSPECTRAL MULTIPHOTON MICROSCOPY AS PLATFORM FOR MULTICELLULAR IMAGING IN VIVO	82030	\$40,000
NUGEN, SAM R	CALS Food Science	GLOBALGOOD	BACTERIOPHAGE-BASED DETECTION OF E. COLI IN DRINKING WATER	82850	\$76,800
O'ROURKE, THOMAS D	Civil & Environmental Engineering	JFE-ENG	LARGE-SCALE TESTING OF SPF STEEL PIPE TO RESIST FAULT RUPTURE: BASIC SRA TEMPLATE	77991	\$36,000
O'ROURKE, THOMAS D	Civil & Environmental Engineering	PPI KOR	PERFORMANCE EVALUATION OF IPVC PIPE UNDER EARTHQUAKE-INDUCED GROUND DEFORMATION	81739	\$35,000
OPHIR, ALEXANDER	Psychology	DOD (ARMY-ARL)	ASSESSMENT AND SCREENING OF MATING BEHAVIOR, BEHAVIORAL PHENOTYPE AND GENOTYPE IN AFRICAN GIANT POUCHED RATS	71958	\$379,026
PANDIN, JOLANDA M.	South East Asia Program	US DEPT OF EDU	ADVANCED OVERSEAS INDONESIAN LANGUAGE TRAINING PROJECT	80834	\$87,380
PARRISH, COLIN R	Baker Institute for Animal Health	MOUNT SINAI	NIAID CENTERS OF EXCELLENCE FOR INFLUENZA RESEARCH AND SURVEILLANCE	69738	\$296,625
PASS, RAFAEL N	Tech Research	DOD (AF-AFOSR)	FOUNDATIONS AND APPLICATIONS OF PROGRAM OBFUSCATION	76125	\$150,000
PERALTA VASCO, SANTIAGO P	Clinical Sciences	F4VD	IDENTIFICATION OF TARGETABLE ACTIVATING MUTATIONS IN CANINE ACANTHOMATOUS AMELOBLASTOMA	80548	\$10,000
POWER, ALISON G	Ecology and Evolutionary Biology	MCKNIGHT	CAPACITY STRENGTHENING FOR A NEW ETHIOPIAN AGROECOCLOGY NETWORK	76770	\$15,000
REED, PATRICK M	Civil & Environmental Engineering	UNC (UNC CHAPEL HILL)	INFWEVS/T3: THE SUSTAINABILITY-PRODUCTIVITY TRADEOFF: WATER SUPPLY VULNERABILITIES AND ADAPTATION OPPORTUNITIES IN CALIFORNIAS COUPLED AGRICULTURAL AND ENERGY SECTORS	79294	\$450,000
REID, JUDSON EDWARD	CALS Cornell Cooperative Extension	NOFA-NY	HIGH TUNNEL SOIL HEALTH AND FERTILITY BEST MANAGEMENT PRACTICES	79297	\$47,520
REID, JUDSON EDWARD	CALS Cornell Cooperative Extension	CCE CLINTON	ADVANCING VEGETABLE PRODUCTION IN NNY	80953	\$4,984
RESNICK, SIDNEY I	Operations Research & Information Engr	ARMYRDECOM	MULTIVARIATE HEAVY TAIL PHENOMENA: MODELING, DIAGNOSTICS, AND APPLICATIONS IN TACTICAL OPERATIONS	66220	\$266,321
RICE, AARON N	CALS Lab of O - Programs	LIMNOTECH	EVALUATING UNDERWATER BIOLOGICAL AND ENVIRONMENTAL SOUNDS IN THE LAKE ERIE WIND ENERGY AREA	82252	\$11,997
RICHARDS, KRISTY	Biomedical Sciences	WCM	TARGETING UNMET CLINICAL NEEDS FOR B-CELL LYMPHOMAS	76286	\$900,000
RICHARDS, KRISTY	Biomedical Sciences	ROSWELL PARK	IMMUNOGENIC MUTATIONAL LOAD ANALYSIS FOR ADOPTIVE T CELL THERAPY IN CANINE B-CELL LYMPHOMA	80340	\$86,842

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	\$35,458
SCHLOM, DARRELL	Materials Science Engineering	U OF CAL (UCLA)	NSF NANOSYSTEMS ENGINEERING RESEARCH CENTER FOR TRANSLATIONAL APPLICATIONS OF NANOSCALE MULTIFERROIC SYSTEMS TANMS	65631	\$140,000
SCHRYVER, THOMAS	Center for Economic Advancement	NYS (NYSERDA)	76 WEST	76942	\$41,100
SELVA VALERO, DANIEL	Mechanical & Aerospace Engineering	MIT (LINCOLN LAB)	TIME-RESOLVED OBSERVATIONS OF PRECIPITATION STRUCTURE AND STORM INTENSITY WITH A CONSTELLATION OF SMALLSATS (TROPICS)	76978	\$217,836
SHEPHERD, ROBERT F	Mechanical & Aerospace Engineering	DOD (ARMY-ABERDEEN)	STRETCHABLE TRANSDUCERS FOR HAPTIC COMMUNICATION IN AUGMENTED AND VIRTUAL REALITY	80939	\$70,000
SHULMAN, ZACHARY J	CALS Office of the Dean	FRIENDS OF REUT	TOM: NYC MAKEATHON	82760	\$150,000
SILBERSTEIN, MEREDITH	Mechanical & Aerospace Engineering	NSF	CAREER: BUILDING A MECHANISTIC UNDERSTANDING OF MECHANOCHEMICALLY ADAPTIVE POLYMERS	80439	\$500,000
SMALLIDGE, PETER	CALS Natural Resources	NYS (AGMRKT)	MAPLE RESEARCH PROGRAM (2016-2017)	80023	\$625,000
SORRELLS, MARK E	CALS School of Integrative Plant Science	U OF CAL (UC DAVIS)	COORDINATED AGRICULTURAL PROJECT (WHEATCAP): VALIDATION, CHARACTERIZATION AND DEPLOYMENT OF QTL FOR GRAIN YIELD COMPONENTS IN WHEAT	79571	\$432,685
SQUYRES, STEVEN W	Center Astrophysics-Planetary Science	NASA (JPL)	PROFESSOR STEVE SQUYRES - PHASE E - EXTENDED MISSION, FY 2016	77301	\$2,160,000
STACEY, GORDON J	Center Astrophysics-Planetary Science	NASA (NSSC)	MEASURING THE EVOLUTION OF STELLAR POPULATIONS AND GAS METALLICITY IN GALAXIES WITH FAR-INFRARED SPACE SPECTROSCOPY	80078	\$284,740
TESTER, JEFFERSON	Chemical & Biomolecular Engineering	VERIZON CSG	GEOTHERMAL HEAT PUMP ENERGY EFFICIENCY APPLICATIONS FOR VERIZON CO. OFFICE IN ITHACA NY	81303	\$165,000
THAYER, CHERYL B	CALS Cornell Cooperative Extension	ERIE CTY (CCE ERIE)	WESTERN NEW YORK FOOD HUB MOBILIZATION AND EXPANSION PROJECT	81030	\$16,003
THAYER, CHERYL B	CALS Cornell Cooperative Extension	ERIE CTY (CCE ERIE)	BUFFALO PUBLIC SCHOOLS NYS HARVEST OF THE MONTH PILOT PROJECT	81225	\$11,895
THOM, JULIA	Center for Teaching Excellence	AAU	DISTINGUISHED ACTIVE LEARNING TEACHING ASSISTANT (DALTA) PROGRAM IN STEM	82223	\$20,000
TUMBAR, TUDORITA	Molecular Biology and Genetics	DHHS (NIH-NIH NIAMS)	DEFINING THE HETEROGENEITY OF CELL LINEAGES IN THE INTER-FOLLICULAR EPIDERMIS	80586	\$1,751,662
VATAMANIUK, OLENA K	CALS School of Integrative Plant Science	CRDF	2016 U.S. - UKRAINE AGRICULTURAL RESEARCH COMPETITION: ISUSTAINABLE APPROACHES TO INCREASE THE YIELD AND NUTRITIONAL VALUE OF WHEAT	80097	\$45,000
WAGNER, BETTINA	Population Medicine & Diagnostic Science	CH BOEHRSOHN (BOEH INGEL)	REACTIVITY OF SERUM SAMPLE FROM ALLERGIC HORSES IN THE US WITH ALLERGENS DERIVED FROM EUROPEAN CULICOIDES MIDGES	75141	\$154,868
WANG, MICHELLE D	Lab. of Atomic & Solid State Physics	DHHS (NIH-NIH NIGMS)	SINGLE-MOLECULE STUDIES OF R-LOOP DYNAMICS DURING TRANSCRIPTION	79798	\$113,760
WELLS, MARTIN T	Social Statistics	WCM (WCMC/QATAR)	DIABETES INTERVENTION ACCENTUATING DIET AND ENHANCING METABOLISM (DIADEM): RANDOMIZED CONTROLLED TRIAL ASSESSING THE IMPACT OF LOW CALORIE DIET AND ACTIVITY ON BODY WEIGHT AND GLYCAEMIA IN DIABETES	75560	\$79,638
WIESNER, ULRICH B	Materials Science Engineering	FLIR	DYNAMICALLY RESPONSIVE CB AGENT DEFENSE MATERIAL SYSTEMS	67735	\$235,864