

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

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
AGUILAR-CARRENO, HECTOR AKCAN, ESRA	Microbiology and Immunology Cornell Institute for European Studies	DHHS (NIH-NIH NIAID) SYRACUSE U	MECHANISMS OF NIPAH VIRUS FUSION AND ENTRY WORK OF ARCHITECT-SCHOLARS AT RISK: URBAN RENEWAL OF ISTANBUL (PART 1): VAC 1	84669 85444	\$764,242 \$2,500
ANANTH, NANDINI	Chemistry and Chemical Biology	U OF MINNESOTA	IE XPLORING NUCLEAR QUANTUM EFFECTS ON ADSORPTION AND TRANSPORT IN POROUS MATERIALS: PREDICTIVE HIERARCHICAL MODELING OF CHEMICAL SEPARATIONS & TRANSFORMATIONS IN FUNCTIONAL NANOPOROUS MATERIALS:SYNERGY OF ELECTRONIC STRUCTURE THEORY, MOLECULAR SIMULATION, MACHINE LEAMING,& EXPERIMENT	79925	\$93,000
ARCHER, LYNDEN A	Chemical & Biomolecular Engineering	SAUDI ARAMCO	THE ELECTROCHEMICALLY GENERATED SUPEROXIDE FROM METAL/O2 CELL: A SYSTEM FOR CHEMICAL CONVERSION AND ELECTRICAL ENERGY GENERATION	84340	\$84,000
AUGUST, AVERY	Microbiology and Immunology	DHHS (NIH-NIH NIAID)	ITK SIGNALING AND TYPE 1 REGULATORY T CELL DIFFERENTIATION AND FUNCTION IN ALLERGIC AIRWAY INFLAMMATION	83365	\$431,021
AUGUST, AVERY BATES, TERENCE R	Microbiology and Immunology CAL S School of Integrative Plant Science	PENN STATE NY WINE/GRAPE	ACTIVATION OF THE AH RECEPTOR AND EPITHELIAL INTEGRITY A SYSTEM APPROACH TO CONCORD PRODUCTIVITY AND FRUIT QUALITY IN THE LAKE ERIE PRODUCTION REGION	81341 69277	\$428,215 \$69,072
BAZAROV, IVAN	Cornell Lab Accelerator Sciences & Ed	DOE	NEXT GENERATION ROBUST POLARIZATION PHOTOCATHODES FOR EIC	79993	\$130,000
BICALHO, RODRIGO	Population Medicine & Diagnostic Science	ZOETIS	PILOT STUDY: TO EVALUATE THE EFFECT OF GMP PRODUCED RIL- 8 ON LIVER FUNCTION, NEGATIVE ENERGY BALANCE, MAMMARY GLAND FUNCTION, FEED CONVERSION, & PRODUCTIVITY OF HIGH PRODUCING DAIRY COWS	81888	\$14,298
BUCKLER, EDWARD S	Institute Biotechnology & Life Science	U OF ILLINOIS (UIUC)	TERRA-MEPP (MOBILE ENERGY-CROP PHENOTYPING PLATFORM) (PROPOSAL NO. 1211-1529	76164	\$202,927
BURR, THOMAS J	CALS School of Integrative Plant Science	NY WINE/GRAPE	THE EFFECTS OF THE CROWN GALL PATHOGEN ON GRAFTING, CALLUSING AND GROWTH OF GRAPEVINES	83755	\$12,000
CARROLL, JULIET E	CALS NYS Integrated Pest Management	NYS (AGMRKT)	2017 NEW YORK STATE ORCHARD COOPERATIVE AGRICULTURAL PEST SURVEY (NYS PO# TBD)	83783	\$40,957
CHAPPIE, JOSHUA S	Molecular Medicine	DHHS (NIH-NIH NIGMS)	STRUCTURAL AND FUNCTIONAL CHARACTERIZATION OF THE MCRBC RESTRICTION SYSTEM	83016	\$1,599,685
CHENG, LAILIANG CHOUDHURY, TANZEEM K	CALS School of Integrative Plant Science Information Science	FULLCOLUR GRP U. OF MEMPHIS	TRAINING OF SMALLHOLDER APPLE FARMERS IN CHINA MPERF: A THEORY-DRIVEN APPROACH TO MODEL AND PREDICT EVERYDAY JOB PERFORMANCE USING MOBILE SENSORS	85007 81749	\$164,399 \$1,030,688
CURTIS, PAUL D	CALS Natural Resources	CAYUGA HEIGHTS	DEER RESEARCH AND MANAGEMENT PLAN, VILLAGE OF CAYUGA HEIGHTS, NEW YORK	75498	\$14,015
FERRARI, SILVIA	Mechanical & Aerospace Engineering	DOE (SANDIA)	DEVELOPING AND SIMULATING OPTIMAL SATELLITE CONSTELLATION CONTROL FOR MULTI-TARGET TRACKING AND SPACE SITUATIONAL AWARENESS	84815	\$75,000
FUHRMANN, ARNIKA I. GAZEL, ESTEBAN	Asian Studies Earth & Atmospheric Sciences	SYRACUSE U NSF	CRITICAL ASIAN CINEMATIC SPACES: VAC2 NEAR CONTINENT INTRAPLATE MAGMATISM IN THE ATLANTIC: IMPLICATIONS FOR MANTLE DYNAMICS AND MELTING	83561 84172	\$394 \$152,130
GIANNELIS, EMMANUEL P	Materials Science Engineering	KFUPM	NANOMATERIALS FOR EOR: A RESEARCH AND EDUCATION PARTNERSHIP WITH CPG	79581	\$2,275,582

GLAHN, RAYMOND P	CALS Food Science	NESTLE (NESTEC LTD)	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	\$49,215
HOEPTING, CHRISTINE A	CALS Cornell Cooperative Extension	RUTGERS	IR-4 NORTHEAST REGION MINOR CROP PEST MANAGEMENT PROGRAM - PERFORMANCE TRIALS	85269	\$5,000
HOFFSTAETTER, GEORG	Cornell Lab Accelerator Sciences & Ed	DOE (BROOKHAVEN)	CORNELL-BROOKHAVEN ERL TEST ACCELERATOR (CBETA)	82010	\$2,000,000
HYSELL, DAVID L	Earth & Atmospheric Sciences	NSF	SYSTEMS SCIENCE AT THE JICAMARCA RADIO OBSERVATORY	72206	\$86,900
JENTSCH, PETER	CALS Entomology	NY WINE/GRAPE	CABERNET FRANC CLONE AND ROOTSTOCK SELECTION SUITABLE FOR HUDSON VALLEY AVA AND VITICULTURAL TECHNIQUES FOR SUPERIOR FRUIT QUALITY	83799	\$22,018
JOHNSON, CHARLES R	Electrical & Computer Engineering	KRESS	EXPANSION OF THE REMBRANDT WATERMARK UNIVERSE TO INCLUDE WATERMARKS IN DRAWINGS BY REMBRANDT AND HIS PUPILS	84701	\$10,000
KLINCK, HOLGER	CALS Lab of O - Programs	SDSU	USING CONTEXT TO IMPROVE MARINE MAMMAL CLASSIFICATION	82150	\$582,354
KURPIOS, NATASZA	Molecular Medicine	DHHS (NIH-NIH NIDDK)	MECHANISMS UNDERLYING ASYMMETRIC ROTATION AND VASCULAR DEVELOPMENT OF THE MIDGUT	83010	\$1,983,784
LEAK, TASHARA MARIE	Nutritional Sciences	DUKE U	USDA CENTER FOR BEHAVIORAL ECONOMICS AND HEALTHY FOOD CHOICE RESEARCH	85173	\$15,000
LIEPE, MATTHIAS U	Cornell Lab Accelerator Sciences & Ed	DOE (SLAC)	LCLS-II CAVITY COOL-DOWN STUDIES	85000	\$80,369
LOHMAN, ROWENA	Earth & Atmospheric Sciences	NASA (JPL)	EVALUATING WEATHER REANALYSIS PERFORMANCE FOR THE APPLICATION OF RADAR NOISE CORRECTIONS	83184	\$28,304
LUNINE, JONATHAN	Center Astrophysics-Planetary Science	NASA (JPL)	DISTINGUISHED VISITING SCIENTIST	82586	\$81,805
MANSFIELD, ANNA K	CALS Food Science	NY WINE/GRAPE	UNDERSTANDING STABLE PIGMENT FORMATION IN COOL-CLIMATE AND HYBRID RED WINES	83748	\$33,355
MARTINSON, TIMOTHY E	CALS School of Integrative Plant Science	NY WINE/GRAPE	VERAISON TO HARVEST NEWSLETTER	70812	\$22,512
MARTINSON, TIMOTHY E	CALS School of Integrative Plant Science	NY WINE/GRAPE	BUD HARDINESS AND WINTER INJURY ASSESSMENT	74080	\$18,194
MASTER AGREEMENT, OSP	Office of Sponsored Programs	BICI	MASTER RESEARCH AGREEMENT BICI	84297	\$5,000,000
MCART, SCOTT	CALS Entomology	NYS (AGMRKT)	2017 HONEYBEE RESEARCH	83916	\$50,000
MUTSCHLER, MARTHA A	CALS School of Integrative Plant Science	OHIO ST U	PREBREEDING TO COMBINE RESISTANCES TO PATHOGENS FROM THREE KINGDOMS IN PROCESSING AND FRESHMARKET TOMATO	73331	\$1,375
NUGEN, SAM R	CALS Food Science	USDA (USDA-NIFA)	ENGINEERING BACTERIOPHAGES TO OVERCOME HOST RESISTANCE	82295	\$100,000
POWER, ALISON G	Ecology and Evolutionary Biology	MCKNIGHT	CAPACITY STRENGTHENING FOR LEGUME DIVERSITY AND AGROECOLOGICAL RESEARCH IN ETHIOPIA.	83447	\$190,000
POWERS, JANE	Bronfenbrenner Ctr for Translational Rsch	NYS (NYS HEALTH)	ASSETS COMING TOGETHER FOR YOUTH: CENTER FOR COMMUNITY ACTION ON ADOLESCENT HEALTH (ACT CCA)	84035	\$5,500,000
PRITCHARD, MATTHEW	Earth & Atmospheric Sciences	NASA (JPL)	IMPROVING VOLCANO ERUPTION FORECASTS WITH SATELLITE-DERIVED TOPOGRAPHIC MAPS AND PHYSICS-BASED MODELS	85718	\$20,500
PRITCHARD, MATTHEW	Earth & Atmospheric Sciences	US INTERIOR	OPTIMIZING SATELLITE RESOURCES FOR THE GLOBAL ASSESSMENT AND MITIGATION OF VOLCANIC HAZARDS	82093	\$50,000
REISCH, BRUCE I	CALS School of Integrative Plant Science	NY WINE/GRAPE	BREEDING AND EVALUATION OF NEW WINE GRAPE VARIETIES WITH IMPROVED COLD TOLERANCE AND DISEASE RESISTANCE	69282	\$22,512
REYNA, VALERIE	Human Development	GEORGETOWN U	TESTING A DECISION SUPPORT INTERVENTION TO ENHANCE GENETIC RISK ASSESSMENT IN UNDERSERVED BLACKS AND LATINAS AT RISK OF HEREDITARY BREAST CANCER	81973	\$72,232
RIECHERS, DOMINIK A	Center Astrophysics-Planetary Science	SPACE TELESCOPE	CYCLE 25- SNAPSHOT OBSERVATIONS OF THE LARGEST SAMPLE OF LENSED CANDIDATES IN THE EQUATORIAL AND SOUTHERN SKY IDENTIFIED WITH HERSCHEL	84384	\$11,213

RIECHERS, DOMINIK A	Center Astrophysics-Planetary Science	SPACE TELESCOPE	IMPACT OF THE MOST EXTREME AGN-DRIVEN MOLECULAR OUTFLOW ON ITS HOST GALAXY	84401	\$8,582
RIZVI, SYED S	CALS Food Science	NESTLE (NESTEC LTD)	FLASH FREEZING OF ICE CREAM	84792	\$219,978
SACKS, GAVIN	CALS Food Science	NY WINE/GRAPE	DEVELOPMENT OF RAPID APPROACHES FOR QUANTIFYING KEY FLAVOR COMPOUNDS AND THEIR PRECURSORS IN GRAPES	72600	\$117,632
SACKS, GAVIN	CALS Food Science	NY WINE/GRAPE	NEW APPROACHES TO COPPER FINING TO AVOID RE-FORMING SULFUR-LIKE OFF-AROMAS DURING BOTTLE STORAGE	83745	\$18,533
SCHAFFER, CHRIS	Biomedical Engineering	WCM	DAMAGE ASSOCIATED MOLECULAR PATTERNS AND REGENERATIVE FAILURE IN MS	82694	\$233,345
SCHLOM, DARRELL	Materials Science Engineering	SAMSUNG	LOSS-LOSS, HIGH-K, TUNABLE DIELECTRICS ON SILICON	83806	\$100,000
SELLERS, DEBORAH E	Bronfenbrenner Ctr for Translational Rsch	DOJ (NIJ)	INCREASING SAFETY IN HIGH NEED SCHOOLS THROUGH TRAUMA-INFORMED PREVENTION, DE-ESCALATION, AND MANAGEMENT OF INDIVIDUAL STUDENT CRISES: AN EVALUATION OF THERAPEUTIC CRISIS INTERVENTION FOR SCHOOLS	83209	\$2,975,446
SMITH EINARSON, MARGARET E	CALS International Programs	SYNGENTA INTRNL (SYNGENTA CP)	SYNGENTA-CORNELL AGRONOMY ACADEMY	78043	\$115,157
SMOLKA, MARCUS B	Weill Institute	DHHS (NIH-NIH NIGMS)	MECHANISMS OF HETEROCHROMATIN REPLICATION	82922	\$1,205,144
SORRELLS, MARK E	CALS School of Integrative Plant Science	OREGON ST U	DEVELOPING MULTI-USE NAKED BARLEY FOR ORGANIC FARMING SYSTEMS	82328	\$250,501
STROBEL, WENDY	Industrial & Labor Relations Ext Orgs	INST FOR REHAB (ILRUP)	ADA PARTICIPATION ACTION RESEARCH CONSORTIUM: ADVANCING PARTICIPATION EQUITY FOR PEOPLE WITH DISABILITIES (ADA-PARC II).	83532	\$45,000
STROOCK, ABRAHAM D	Chemical & Biomolecular Engineering	FLORAPULSE	IN-PLANT PROBE OF WATER POTENTIAL FOR FEEDBACK CONTROLLED MANAGEMENT OF WATER STATUS IN FRUIT CROPS: STIR-PHASE 1	81413	\$25,000
VAN DE WALLE, GERLINDE	Baker Institute for Animal Health	OCULAR	ROUTINE PRODUCT TESTING AGREEMENT: OUTLINE OF THE EXPERIMENTAL PLAN TO EVALUATE DIPYIDAMOLE (DPM) AGAINST FHV-1 IN 2D CELL CULTURE	85498	\$8,702
VATAMANIUK, OLENA K	CALS School of Integrative Plant Science	USDA (USDA-NIFA)	TRANSCRIPTIONAL REGULATION OF CU HOMEOSTASIS IN CEREALS AND ITS RELATIONSHIP WITH FERTILITY AND GRAIN YIELD	84053	\$499,838
VILHUBER, LARS	Industrial & Labor Relations Ext Orgs	DEPT COMMERCE (US CENSUS)	INTERAGENCY PERSONNEL ACT (IPA) CONTRACT FOR LARS VILHUBER TO U.S. CENSUS BUREAU 2017-2018	84536	\$154,594
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 ENGINEERING(ICME)FRAMEWORK: SBIR	83929	\$30,000
WEIGLE, TIMOTHY H	CALS NYS Integrated Pest Management	NY WINE/GRAPE	INCREASING THE RELIABILITY AND SCOPE OF NEWA WEATHER AND PEST MODEL INFORMATION IN THE LAKE ERIE REGION	83820	\$31,672
WIEDMANN, MARTIN	CALS Food Science	CPS	LISTERIA WHOLE GENOME SEQUENCE DATA REFERENCE SETS ARE NEEDED TO ALLOW FOR IMPROVED PERSISTENCE ASSESSMENT AND SOURCE TRACKING	83084	\$356,975
WIEDMANN, MARTIN	CALS Food Science	HEALTH RESEARCH	ELC FOODBORNE ILLNESS CENTERS OF EXCELLENCE	77671	\$183,000