

Cornell University, Office of Sponsored Programs
Awards Received in June 2019

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
ABBASPOURRAD, ALIREZA	CALS Food Science	NESTLE	DELIVERY SYSTEM DESIGN FOR SPECIFIC AMINO ACIDS	89378	\$165,000
ABBOTT, NICHOLAS	Chemical & Biomolecular Engineering	DOE	DYNAMIC AND COMPLEX MULTI-COMPARTMENT AND INTERNALLY ORDERED EMULSIONS	87720	\$424,999
ABBOTT, NICHOLAS	Chemical & Biomolecular Engineering	NSF	COLLABORATIVE RESEARCH: MANUFACTURING OF NANOFIBER ARRAYS ON SURFACES BY TEMPLATED CHEMICAL VAPOR POLYMERIZATION INTO LIQUID CRYSTALS	88878	\$424,614
ABOWD, JOHN M	Industrial & Labor Relations Ext Orgs	DEPT COMMERCE (US CENSUS)	IPA 2016-2018 (ADRM)	90235	\$614,888
ADIE, STEVEN G	Biomedical Engineering	DHHS (NIH)	VOLUMETRIC TIME-LAPSE IMAGING OF BIOPHYSICAL CELL-EXTRACELLULAR MATRIX INTERACTIONS FOR SYSTEMS MECHANOBIOLOGY RESEARCH	87294	\$1,562,250
AFRIDI, KHURRAM KHAN	Electrical & Computer Engineering	AEGIS	HIGH-POWER-DENSITY HIGH-EFFICIENCY AC/DC CONVERTER: GATEWAY LEVEL 2	90214	\$110,000
AGRAWAL, ANURAG	CALS Ecology & Evolutionary Biology	NSF (NSF BIO)	COLLABORATIVE RESEARCH: RUI: INSECT HERBIVORE FEEDING GUILDS AND COMPARTMENTALIZED PLANT DEFENSE	88655	\$535,341
BASKIN, JEREMY M	Weill Institute	SLOAN	2019 SLOAN RESEARCH FELLOWSHIP	89616	\$70,000
BERGSTROM, GARY C	CALS School of Integrative Plant Science	USDA (ARS)	FHB MANAGEMENT RESEARCH IN NEW YORK	88165	\$11,853
BIHN, ELIZABETH	CALS Food Science	NYS (AGMRKT)	ON FARM READINESS REVIEW (OFRR) TRAINING	89575	\$50,000
BLOSSEY, BERND	CALS Natural Resources	NYS (NYS DEC)	NEW YORK STATE INVASIVE SPECIES RESEARCH INSTITUTE	71391	\$1,000,000
BONASSAR, LAWRENCE	Biomedical Engineering	NSF	I-CORPS: HYDROGELS FOR INTERVERTEBRAL DISC REPAIR	90012	\$50,000
BONHOTAL, JEAN F	CALS School of Integrative Plant Science	CUNY	SPR # C-16-02: DEVELOP MANUFACTURED TOPSOIL MIXES TO SUPPORT THE GROWTH OF POLLINATOR-FRIENDLY VEGETATION IN ROADSIDE SETTINGS	86485	\$500,000
BONNEY, RICHARD E	CALS Lab of O - Programs	US INTERIOR (USFW)	IMPLEMENTATION OF USFWS CITIZEN SCIENCE FRAMEWORK	90179	\$118,095
CAMPBELL, MARK	Mechanical & Aerospace Engineering	SRC	S&AS: INT: INFERENCE, REASONING, AND LEARNING FOR ROBUST AUTONOMOUS DRIVING	89202	\$298,590
CHANG, YUNG-FU	Population Medicine & Diagnostic Science	USDA (USDA-NIFA)	CHARACTERIZATION OF PROTECTIVE IMMUNITY OF MEMBRANE VESICLES AND E. COLI OUTER MEMBRANE VESICLES AGAINST JOHNIE'S DISEASE	87593	\$450,000
COLLUM, DAVID B	Chemistry and Chemical Biology	DHHS (NIH-NIH NIGMS)	ALKALI METAL CHEMISTRY - STRUCTURES, MECHANISMS AND APPLICATIONS	86883	\$2,788,070
COOK, MICHAEL N.	Mann Library	CRL	THE RURAL NEW YORKER PHASE II -PROJECT CERES SUPPLEMENT	90361	\$18,000
CORDES, JAMES M	Center Astrophysics-Planetary Science	U OF WISCONSIN SYS (UW MILWAUKEE)	NSF PHYSICS FRONTIER CENTER PROGRAM: NORTH AMERICAN NANOHERTZ OBSERVATORY FOR GRAVITATIONAL WAVES	72662	\$407,696
COSLEY, DANIEL R	Information Science	NSF	IPA ASSIGNEE TO NSF, PROGRAM DIRECTOR FOR CISE/IIS	82306	\$53,637
CURTIS, PAUL D	CALS Natural Resources	NYS (NYS DEC)	MANAGING COMMON TERNS TO ENHANCE PRODUCTIVITY AT ONEIDA LAKE	89730	\$19,975
DANIEL, SUSAN	Chemical & Biomolecular Engineering	NSF	SPATIO-TEMPORAL BIOMANUFACTURING OF POSTTRANSLATIONALLY MODIFIED PROTEINS USING BIOMEMBRANE MICROFLUIDICS	81545	\$8,000
DE JONG, WALTER	CALS School of Integrative Plant Science	EMP ST POTATO GRW	CONDUCT GROWER-EXTENSION YIELD TRIALS OF ADVANCED POTATO BREEDING LINES AND NEW VARIETIES	86468	\$17,000
DE JONG, WALTER	CALS School of Integrative Plant Science	EMP ST POTATO GRW	CHIP POTATO BREEDING AND EVALUATION (2018)	86469	\$35,000
DEGAETANO, ARTHUR T	CALS Earth and Atmospheric Science	DEPT COMMERCE (NOAA)	THE NORTHEAST REGIONAL CLIMATE CENTER	79436	\$45,000

DEGAETANO, ARTHUR T DELISA, MATTHEW	CALS Earth and Atmospheric Science Chemical & Biomolecular Engineering	DEPT COMMERCE (NOAA) NSF	THE NORTHEAST REGIONAL CLIMATE CENTER A SCALABLE PIPELINE FOR GENERATING SYNTHETIC ANTIBODIES AGAINST DESIGNER GLYCOTOPES	79436 78040	\$23,000 \$59,518
DIEL, DIEGOG	Population Medicine & Diagnostic Science	USDA (USDA-NIFA)	MOLECULAR DETERMINANTS OF VIRULENCE AND PATHOGENESIS OF SENECAVIRUS A	90373	\$490,000
ELVINGER, FRANCOIS	Animal Health Diagnostic Center	INTL DUCK	INTERNATIONAL DUCK RESEARCH COOPERATIVE (IDRC) AGREEMENT FY17-21	83603	\$303,279
FESCHOTTE, CEDRIC	CALS Molecular Biology & Genetics	DHHS (NIH)	INTERROGATING ENHANCER FUNCTION AND COOPERATION BY SYSTEMATIC PERTURBATION OF TRANSPOSABLE ELEMENTS	88939	\$35,256
FUCHS, MARC FUCHS, MARC	CALS School of Integrative Plant Science CALS School of Integrative Plant Science	CALIFORNIA (CA FOOD AND AGR) CALIFORNIA (CA FOOD AND AGR)	ECOLOGY OF GRAPEVINE RED BLOTCH VIRUS RESISTANCE TO GRAPEVINE LEAFROLL-ASSOCIATED VIRUS 3 AND THE GRAPE MEALYBUG	90356 90357	\$239,979 \$360,649
GADOURY, DAVID M	CALS School of Integrative Plant Science	RPI	APPLIED RESEARCH AND RAPID EXTENSION OF DISCOVERIES IN PHOTOBIOLOGY AND LIGHTING TECHNOLOGIES FOR SUPPRESSION OF POWDERY MILDEW IN STRAWBERRYS	86857	\$77,431
GADOURY, DAVID M	CALS School of Integrative Plant Science	USDA (USDA-NIFA)	ANALYSIS OF PATHOGEN DISTRIBUTION AND VIRULENCE PATTERNS AT A CONTINENTAL SCALE FOR IMPROVED MANAGEMENT OF HOP POWDERY MILDEW	87590	\$119,447
GERLING, CHRISTOPHER JAMES	CALS Food Science	RIT	THREE BROTHERS WINERIES/WAR HORSE BREWING COMPANY SUSTAINABLE WATER & ENERGY MANAGEMENT	87191	\$3,062
GOLDEN, THOMAS P	Industrial & Labor Relations Ext Orgs	NYS (NYSEDUC)	SPECIAL EDUCATION TECHNICAL ASSISTANCE PARTNERSHIP FOR TRANSITION AND DATA	89484	\$16,034,693
GUINNESS, JOE	CALS Biology Stats & Computational Biol	EMORY U	DATA INTEGRATION METHODS FOR ENVIRONMENTAL EXPOSURES WITH APPLICATIONS TO AIR POLLUTION AND ASTHMA MORBIDITY	89138	\$55,806
HAJEK, ANN E	CALS Entomology	PA DEPT OF AG	USE OF ENTOMOPATHOGENIC FUNGI TO CONTROL OF SPOTTED LANTERNFLY, LYCORMA DELICATULA	90146	\$50,000
HALPERN-LEISTNER, DANIEL S HANRATH, TOBIAS HARRINGTON, LAURA C	Mathematics Chemical & Biomolecular Engineering CALS Entomology	SF NSF DHHS (CDC)	BEYOND GEOMETRIC INVARIANT THEORY I-CORPUS: LIGHT PATTERNABLE MESOPOROUS MATERIAL NORTHEAST REGIONAL CENTER FOR EXCELLENCE IN VECTOR BORNE DISEASES	89161 89893 81477	\$42,000 \$50,000 \$260,000
HOEPTING, CHRISTINE A HUI, CHUNG-YUEN	CALS Cornell Cooperative Extension Mechanical & Aerospace Engineering	MONSANTO NSF	SERVICE ORDER NO. 23 CONNECTING BOND BREAKING AND HEALING KINETICS TO THE DEFORMATION AND FRACTURE OF TOUGH AND SELF-HEALING HYDROGELS	90103 87885	\$15,000 \$637,817
JENA, DEBDEEP JUNG, MALTE F	Electrical & Computer Engineering Information Science	NSF NSF (NSF CISE)	ALUMINUM NITRIDE-BASED POWER TRANSISTORS CHS: SMALL: METHODS TO ENHANCE TEAMWORK IN COMPUTER-MEDIATED INTERNATIONAL COLLABORATION	89985 72517	\$50,000 \$16,000
KELLOGG, ELIZABETH HUA-MEI	Molecular Biology and Genetics	DHHS (NIH)	MOLECULAR BASIS OF GENOME ORGANIZATION AND INTEGRITY USING CRYO-EM	88497	\$12,367
KOREN, AMNON KRESS-GAZIT, HADAS LAL, AMIT	CALS Molecular Biology & Genetics Mechanical & Aerospace Engineering Electrical & Computer Engineering	NSF (NSF BIO) TMHNA DOE (ARPA-E)	THE EVOLUTION OF DNA REPLICATION TIMING IN GREAT APES WAREHOUSE AUTOMATION IN A DAY MEMS RF ACCELERATORS FOR NUCLEAR ENERGY AND ADVANCED MANUFACTURING	89248 88953 87197	\$1,053,160 \$114,458 \$1,269,474
LAL, AMIT	Electrical & Computer Engineering	SEMI	ARTIFICIAL INTELLIGENCE LEARNING BASED CLEANROOM PROCESS OPTIMIZATION TOOLS	89804	\$250,000
LEHMANN, CHRISTOPHER J LIN, HENING LIN, SONG	CALS School of Integrative Plant Science Chemistry and Chemical Biology Chemistry and Chemical Biology	DMI DHHS (NIH) SLOAN	BIOCHAR EDUCATION & OUTREACH FOR THE DAIRY INDUSTRY CHEMISTRY OF BIOLOGICAL SYSTEMS 2019 ALFRED P. SLOAN RESEARCH FELLOWSHIPS IN CHEMISTRY	89461 75731 87919	\$45,000 \$7,440 \$70,000

MANN, KATHRYN P	Mathematics	NSF	CAREER: GEOMETRIC AND TOPOLOGICAL APPROACHES TO GROUP ACTIONS IN LOW DIMENSIONS	90002	\$476,502
MANN, KATHRYN P	Mathematics	SLOAN	2019 SLOAN RESEARCH FELLOWSHIP	89615	\$70,000
MANN, SABINE	Population Medicine & Diagnostic Science	USDA (USDA-NIFA)	THE NUTRIENT-SENSING KINASE MTOR IN TRANSITION COW INFLAMMATORY IMMUNE DYSFUNCTION: A NOVEL NUTRITIONAL INTERVENTION TARGET	87545	\$490,000
MANN, SABINE	Population Medicine & Diagnostic Science	NY FARM VIABILITY INST	THE EFFECT OF SEASON AS WELL AS DRY PERIOD MANAGEMENT AND NUTRITION ON COLOSTRUM QUALITY AND QUANTITY	88730	\$124,280
MIMNO, DAVID	Information Science	NSF	CAREER: ROBUST AND SECURE MULTI-MODAL LEARNING FOR LIBRARY-SCALE TEXT COLLECTIONS	80566	\$16,000
MINCA, ANDREEA C	Operations Research & Information Engr	NSF	I-CORPS: TECHNICAL FRAMEWORK FOR TESTING, SIMULATING, AND DESIGNING STABLE ASSETS	90052	\$50,000
MUSCALU, CAMIL	Mathematics	SF	HELICOIDAL METHOD 2.0	89124	\$42,000
NAAMAN, MOR	JTC Research	VU AMSTERDAM	JOINT RESEARCH BETWEEN VRIJE UNIVERSITEIT AMSTERDAM (UVA) AND CORNELL UNIVERSITY	89536	\$58,288
NIEMACK, MICHAEL D	Cornell Lab Accelerator Sciences & Ed	NASA (NSSC)	DEVELOPMENT OF OPTICS AND MICROWAVE MULTIPLEXERS FOR FAR-IR AND MILLIMETER DETECTOR ARRAYS	83538	\$80,000
NUGEN, SAM R	CALS Food Science	USDA (USDA-NIFA)	ENGINEERING OF BACTERIOPHAGES FOR ISOLATION, CONCENTRATION, AND DETECTION OF SALMONELLA IN AGRICULTURAL WATER	87591	\$120,000
NUSSBAUM, MICHAEL	Mathematics	NSF	ASYMPTOTIC EQUIVALENCE OF QUANTUM STATISTICAL MODELS	88334	\$300,000
NYROP, JAN P	CALS CU Agriculture Experiment Station	MINER ARI	WORKING RELATIONSHIP BETWEEN THE WILLIAM H. MINER AGRICULTURAL RESEARCH INSTITUTE AND CORNELL UNIVERSITY	62293	\$27,000
O'BRIEN, KIMBERLY	Nutritional Sciences	DHHS (NIH)	ERYTHROFERRONE AND ITS IMPACT ON MATERNAL AND NEONATAL IRON HOMEOSTASIS	87702	\$444,824
PARKER, JOHN S	Baker Institute for Animal Health	BURROUGHS W FND	BECOMING FACULTY WORKSHOP	90515	\$15,000
PARKER, JOHN S	Baker Institute for Animal Health	DHHS (NIH)	SHORT TERM TRAINING FOR STUDENTS IN THE HEALTH PROFESSIONS	88148	\$274,200
PECK, MASON	Mechanical & Aerospace Engineering	NASA (KENNEDY SC)	EDDY CURRENT APPROACH AND PROXIMITY SATELLITE PROJECT	90198	\$19,999
PECK, MASON	Mechanical & Aerospace Engineering	NASA	EXPLORING EXTREME TERRAIN USING A POLYHEDRAL ROVER	80174	\$80,000
PECK, MASON	Mechanical & Aerospace Engineering	NASA	NON-CONTACT EDDY-CURRENT MANIPULATION IN MICROGRAVITY ENVIRONMENTS	86785	\$80,000
PLACE, NED J	Population Medicine & Diagnostic Science	ZOETIS	ABAXIS TESTING PROJECT	90406	\$6,987
POVEDA, KATJA	CALS Entomology	SWEDISH UNIVERSITY SLU	TOWARDS SUSTAINABLE MAIZE PRODUCTION IN EAST AFRICA: CROPPING SYSTEM RESILIENCE UNDER CLIMATE CHANGE	89809	\$86,890
RAHM, BRIAN GRAMLICH	CALS Biological & Environmental Engr	US INTERIOR (USGS)	104B STATE WATER RESOURCES RESEARCH INSTITUTE PROGRAM	78963	\$92,335
RALYEA, ROBERT DAVID	CALS Food Science	NYS (ESD)	EXPANSION OF FOOD PROCESSING AND DEVELOPMENT RESOURCES FOR THE SOUTHERN TIER	68312	\$500,000
RAMSHAW, BRAD JARED	Lab. of Atomic & Solid State Physics	SLOAN	2019 SLOAN RESEARCH FELLOWSHIP IN PHYSICS	89532	\$70,000
REED, KRISTAN FOSTER	CALS Animal Science	DMI	POSTDOCTORAL RESEARCH FELLOW FOR THE RUMINANT FARM SYSTEMS MODEL (RUFAS)	89486	\$100,000
REED, PATRICK M	Civil & Environmental Engineering	PNNL	AGENT-BASED MODELING OF WATER INSTITUTIONS: MODEL INTERCOMPARISON & INNOVATION	89757	\$95,664

RUDD, BRIAN D	Microbiology and Immunology	DHHS (NIH)	MECHANISMS LIMITING NEONATAL IMMUNITY	88137	\$2,168,741
SANDERSON, JOHN P	CALS Entomology	GLOECKNER FDN	INVESTIGATING BIOLOGICAL CONTROL OF APHIDS ON CALIBRACHOA	86597	\$10,000
SCANLON, MICHAEL J	CALS School of Integrative Plant Science	U OF WYOMING	COLLABORATIVE RESEARCH: LIGULE DEVELOPMENT IN THE PROXIMAL-DISTAL AXIS OF THE MAIZE LEAF	84677	\$23,000
SCHRYVER, THOMAS	Center for Economic Advancement	NSF (NSF ENG)	I-CORPUS: PRECISION ONCOLOGY SOFTWARE	89911	\$50,000
SCHRYVER, THOMAS	Center for Economic Advancement	NYS (NYSERDA)	76 WEST	76942	\$116,440
SHEPHERD, ROBERT F	Mechanical & Aerospace Engineering	FACEBOOK TECHNOLOGIES	DIGITAL MASK PROJECTION STEREO LITHOGRAPHY FOR 3D PRINTING SILICONE ELASTOMERS	90147	\$500,000
SMITH, MICHELLE K.	Ecology and Evolutionary Biology	U OF MAINE	COURSE SOURCE: DEVELOPING, DISSEMINATING, AND UNDERSTANDING THE USEFULNESS OF RESOURCES FOR EVIDENCE-BASED UNDERGRADUATE BIOLOGY TEACHING	88648	\$76,609
SMITH, MICHELLE K.	Ecology and Evolutionary Biology	U OF MAINE	COLLABORATIVE RESEARCH: PROMOTING INSTRUCTIONAL CHANGE IN INTRODUCTORY STEM COURSES THROUGH FACULTY LEARNING COMMUNITIES FOCUSED ON THE TRANSITION FROM HIGH SCHOOL TO COLLEGE	88649	\$97,137
SORRELLS, MARK E	CALS School of Integrative Plant Science	USDA (ARS)	DEVELOPMENT OF FHB RESISTANT WHEAT AND BARLEY VARIETIES FOR THE NORTHEASTERN U.S. (FY18)	87615	\$125,194
SPEH, BIRGIT E	Mathematics	SF	BRANCHING LAWS FOR REPRESENTATIONS OF ORTHOGONAL GROUPS AND APPLICATIONS	89086	\$42,000
SQUYRES, STEVEN W	Center Astrophysics-Planetary Science	NASA (JPL)	PROFESSOR STEVE SQUYRES - PHASE E - EXTENDED MISSION, FY 2016	77301	\$477,133
STACEY, GORDON J	Center Astrophysics-Planetary Science	NASA (GODDARD SFC)	DEVELOPMENT OF FLEX-VANE BASED FABRY-PEROT ETALONS FOR HIRMES	80459	\$88,288
STACEY, GORDON J	Center Astrophysics-Planetary Science	USRA	FIFI-LS SPECTROSCOPY OF NEARBY IR BRIGHT GALAXIES: TRACING STELLAR	89081	\$198,315
STEEN, PAUL H	Chemical & Biomolecular Engineering	NASA	HEAT TRANSFER MANIPULATION VIA SWITCHABLE WETTABILITY SURFACES	83374	\$52,593
STEENHUIS, TAMMO S	CALS Biological & Environmental Engr	CUNY	WATER QUALITY MODELING SUPPORT (WQ-MODEL-19)	89626	\$160,000
THERKILDSEN, NINA	CALS Natural Resources	NSF (NSF BIO)	COLLABORATIVE RESEARCH: THE GENOMIC UNDERPINNINGS OF LOCAL ADAPTATION DESPITE GENE FLOW ALONG A COASTAL ENVIRONMENTAL CLINE	84413	\$30,822
TIMMONS, MICHAEL B	CALS Biological & Environmental Engr	U OF NEW HAMPSHIRE	ENGINEERING INTEGRATED AQUAPONIC FARMING SYSTEMS FOR ECONOMICALLY SUSTAINABLE FOOD PRODUCTION, PEST MANAGEMENT, AND FOOD SAFETY	83798	\$59,926
TURNER, ANDREW S	Bronfenbrenner Ctr for Translational Rsch	NATL 4-H	NEW YORK STATE CAMP PROGRAM	88924	\$55,000
TURNER, ANDREW S	Bronfenbrenner Ctr for Translational Rsch	NYS (AGMRKT)	2019 NEW YORK STATE FAIR	90003	\$11,139
VAN DE WALLE, GERLINDE	Baker Institute for Animal Health	DHHS (NIH)	COMPARATIVE ANIMAL MODELS OF VIRAL HEPATITIS	88665	\$698,505
WAKSHLAG, JOSEPH	Clinical Sciences	AKC CHF	EXAMINATION OF THE EFFECTS OF CANNABIDIOL ON CANINE NEOPLASTIC CELL APOPTOSIS/AUTOPHAGY AND POTENTIAL FOR CHEMOTHERAPY RESISTANCE OR SENSITIVITY	90378	\$14,580
WANG, YADONG	Biomedical Engineering	DOD (ARMY-ARMY - CERDEC)	TRANSFORM OFF-THE-SHELF SYNTHETIC GRAFTS TO AUTOLOGOUS CONDUITS FOR CORONARY ARTERY BYPASS GRAFTING	87791	\$1,257,688
WISE, FRANK W	Cornell Center for Materials Research	NSF	CORNELL CENTER FOR MATERIALS RESEARCH - MRSEC	80497	\$500,000
WOOD, CHRISTOPHER LEIGHTON	CALS Lab of O - Programs	MOS	BREEDING BIRD ATLAS AGREEMENT WITH MARYLAND ORNITHOLOGICAL SOCIETY	90208	\$82,500
WOOD, CHRISTOPHER LEIGHTON	CALS Lab of O - Programs	SUNY (SUNY ENVIR SCI)	BREEDING BIRD ATLAS AGREEMENT WITH STATE UNIVERSITY OF NEW YORK (SUNY ESF)	88863	\$70,125

XU, CHRIS (CHUNHUI)	Applied & Engineering Physics	HFSP0	DEEP-TISSUE VOLTAGE IMAGING IN THE INTACT MOUSE BRAIN	89908	\$160,980
ZHANG, KE MAX	Mechanical & Aerospace Engineering	NYS (NYSERDA)	INTEGRATED ENERGY SYSTEMS, AIR QUALITY AND HEALTH ASSESSMENT FOR THE CLEAN ENERGY STANDARD IN NEW YORK STATE	88225	\$300,000
ZHANG, ZHIRU	Electrical & Computer Engineering	NSF	SHF: SMALL: ARCHITECTURAL SYNTHESIS FOR PROGRAMMABLE ACCELERATORS	88591	\$484,094
ZIEWITZ, MALTE CARSTEN	Science and Technology Studies	NSF	CAREER: UNDERSTANDING AND ADVANCING FAIR REPRESENTATION IN ALGORITHMIC SYSTEMS	87602	\$400,300