

Cornell University, Office of Sponsored Programs
Awards Received in January 2021

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Abbaspourrad, Alireza	CALS Food Science	National Science Foundation	I-CORPS: MICROFLUIDIC CORRALLING TECHNOLOGY FOR PROGRESSIVE SPERM SEPARATION	137213	\$50,000
Abbott, Nicholas	Chemical & Biomolecular Engineering	National Science Foundation (Through: North Carolina State University)	EFRI E3P: MASSIVE MICROPLASTICS REMEDIATION USING NOVEL MICROCLEANSERS AND MICROBIOME PROCESSING ACCELERATED BY ARTIFICIAL INTELLIGENCE	92845	\$794,800
Ando, Nozomi	Chemistry and Chemical Biology	HHS -> PHS -> National Institutes of Health	STRUCTURAL STUDIES OF ALTERNATING-SITE REACTIVITY IN NITROGENASE-LIKE OXIDOREDUCTASES	135993	\$202,062
Barrett, Chris	Dyson - Sponsored Activity	International Food Policy Research Institute	IFPRI/PIM LINKAGE FUNDING	79382	\$65,000
Barstow, Buz	CALS Biological & Environmental Engr	DOE -> DOE Advanced Research Projects Agency-Energy	ENGINEERED MICROORGANISMS FOR ENHANCED RARE EARTH ELEMENT BIO-MINING AND SEPARATIONS	136043	\$1,000,000
Barthelmie, Rebecca	Mechanical & Aerospace Engineering	NYS -> New York State Energy Research and Development Authority (Through: National Renewable Energy Laboratory)	WIND FARM CONTROL AND LAYOUT OPTIMIZATION FOR US OFFSHORE WIND FARMS	90641	\$124,981
Bazarov, Ivan	Cornell Lab Accelerator Sciences & Ed	DOE -> DOE Office of Science	HIGH CURRENT SOURCES FOR SPIN POLARIZED AND UN-POLARIZED ELECTRON BEAMS	136120	\$368,000
Bellows, Laura	Nutritional Sciences	USDA -> USDA National Institute of Food and Agriculture (Through: Arkansas Children's Research Institute)	PEDIATRIC PHYSICAL ACTIVITY: MECHANISMS IMPACTING HEALTH AND DEVELOPMENT	138111	\$25,000
Birkeland, Jennifer	CALS Landscape Architecture	Landscape Architecture Foundation	LAF CASE STUDY INVESTIGATION (CSI) PROGRAM PARTICIPATION	138452	\$5,600
Brady, John	CALS Food Science	HHS -> PHS -> National Institutes of Health	STRUCTURAL INVESTIGATIONS OF BIOFILM MATRICES FOR NOVEL ANTIBIOFILM STRATEGIES	92788	\$935,458
Bruyere, Susanne	Yang Tan Institute	DOL -> Office Of Disability Employment Policy	NATIONAL EMPLOYER POLICY, RESEARCH, AND TECHNICAL ASSISTANCE CENTER ON THE EMPLOYMENT OF PEOPLE WITH DISABILITIES	90382	\$2,000,000
Buchon, Nicolas	CALS Entomology	NSF -> NSF Directorate for Biological Sciences (Through: Boyce Thompson Institute for Plant Research Inc)	MECHANISMS OF VIRAL PROTEIN TRAFFICKING IN POLARIZED INSECT CELLS	92581	\$313,264
Clark, Mitzi	Clinical Sciences	ElleVet Sciences	EFFECT OF TOPICAL CBG/CBGA IN EXPERIMENTAL WOUND HEALING AND PYODERMA MODELS IN DOGS	137821	\$41,778
Davidson Evanega, Sarah	CALS Global Development	USDA -> USDA Foreign Agricultural Service	COCHRAN FELLOWSHIP PROGRAM: OVERVIEW OF BIOTECHNOLOGY COMMUNICATION AND POLICY FOR SERBIA EASTERN EUROPE AND EURASIA TEAM	134897	\$79,119
Degaetano, Arthur	CALS Earth and Atmospheric Science	Insurance Institute for Home and Building Safety	A CLIMATOLOGY OF SIMULTANEOUS RAIN/WIND OCCURRENCE AT SELECT U.S. WEATHER STATIONS	138252	\$25,000
Donnelly, Eve	Materials Science Engineering	Hospital for Special Surgery	DEVELOPING A NONINVASIVE DIAGNOSTIC OF CONNECTIVE TISSUE DEGENERATION FOR ASSESSMENT OF FRACTURE RISK AND SURGICAL FAILURES	137100	\$20,000
Fuchs, Gregory	Applied & Engineering Physics	United States Department of Energy (Through: Northwestern University)	CENTER FOR MOLECULAR QUANTUM TRANSDUCTION (CMQT)	92803	\$710,000

Fuchs, Marc	CALS School of Integrative Plant Science	USDA -> USDA Animal and Plant Health Inspection Service (Through: Boyce Thompson Institute for Plant Research Inc)	USING MODIFIED INSECT NEUROPEPTIDES	137758	\$70,583
Gadikota, Greeshma	Civil & Environmental Engineering	Thistledown Foundation	ENVISIONING A LOW CARBON BUILT ENVIRONMENT THROUGH INNOVATIVE ELECTROCHEMICAL AND CHEMICAL PROCESSING OF CONSTRUCTION MATERIALS AND ENHANCED CIRCULAR REUSE	138514	\$55,000
Gleeson, Shannon	Office of International Affairs	The Andrew W Mellon Foundation	CROSS-BORDER MOVEMENTS: RACISM, DISPOSSESSION, AND MIGRATION	137533	\$4,951,000
Gold, Katie	CALS School of Integrative Plant Science	National Aeronautics and Space Administration (Through: NASA -> Jet Propulsion Laboratory)	BUILDING THE FOUNDATIONS OF A GLOBAL PLANT DISEASE SURVEILLANCE SYSTEM: DETECTING PLANT-MICROBE INTERACTIONS THROUGH INTEGRATED PROXIMAL AND REMOTE IMAGING SPECTROSCOPY YEAR 1	92793	\$43,845
Gore, Michael	CALS School of Integrative Plant Science	NSF -> NSF Directorate for Biological Sciences (Through: Michigan State University)	RESEARCH-PGR: A GENOME-LEVEL APPROACH TO BALANCING THE VITAMIN CONTENT OF MAIZE GRAIN	76820	\$47,279
Gruner, Sol	Lab. of Atomic & Solid State Physics	Fei Company	IFEI EM-PAD (PHASE L & 2 &4)	79321	\$160,706
Holden, Martha	Bronfenbrenner Ctr for Translational Rsch	HHS -> PHS -> Administration For Children And Families (Through: NYS -> New York State Office of Children and Family Services)	RC03: BEHAVIOR SUPPORT CRISIS PREVENTION AND INTERVENTION IN RESIDENTIAL SETTINGS	77692	\$731,791
Jung, Sunghwan	CALS Biological & Environmental Engr	National Science Foundation	COLLABORATIVE RESEARCH: ACTUATING AND SENSING OBJECTS WITH SURFACE WAVES	136820	\$322,617
Justice, Deborah	Music	National Endowment for the Arts (Through: Mid Atlantic Arts Foundation)	JAZZ TOURING NETWORK: ANAT COHEN TENTET	136176	\$4,000
Kahlke, Craig	CALS Cornell Cooperative Extension	HHS -> PHS -> U.S. Food and Drug Administration (Through: NYS -> New York State Department of Agriculture and Markets)	2020-2021 ON-FARM READINESS REVIEW (OFRR)	136772	\$39,000
Kenkel, Donald	Policy Analysis and Management	Foundation for a Smoke-Free World Inc	THE ECONOMICS OF TOBACCO HARM REDUCTION: A CROSS-COUNTRY ANALYSIS	136481	\$2,638,793
Lal, Amit	Electrical & Computer Engineering	DOD -> DOD Defense Advanced Research Project Agency (Through: Geegah LLC)	SAPIENT: SERVICES FOR ADVANCED PIEZOELECTRIC INTEGRATED ELECTRONIC NANOSYSTEMS TECHNOLOGY	138400	\$55,000
Lauber, Bruce	CALS Natural Resources	Seafood Industry Research Fund	EFFECTIVELY COMMUNICATING DIETARY SEAFOOD ADVICE TO PREGNANT WOMEN	138090	\$58,629
Levy, Karen	Information Science	John D and Catherine T MacArthur Foundation (Through: University of Virginia)	MACARTHUR PRETRIAL RISK ASSESSMENT STUDY	93035	\$71,144
Lewis, Nikole	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: Association of Universities for Research in Astronomy)	COOKING A PLANET: THE HEATING AND COOLING OF AN EXOPLANET ATMOSPHERE	136702	\$25,680
Li, Sijin	Chemical & Biomolecular Engineering	HHS -> PHS -> National Institutes of Health	SIMULTANEOUS TREATMENT OF VIRAL AND BACTERIAL OTITIS MEDIA USING PLANT NATURAL PRODUCTS	92472	\$440,828

Liu, Rui	CALS Food Science	Baby Food Council (Through: Companies for Causes)	REDUCTION OF HEAVY METALS IN INFANT AND TODDLER FOODS	138292	\$70,000
Loeb, Gregory	CALS Entomology	USDA -> USDA Agricultural Marketing Service (Through: NYS -> New York State Department of Agriculture and Markets)	DEMONSTRATION AND EDUCATION ON THE CONSTRUCTION AND EFFICACY OF A POST AND WIRE SUPPORT SYSTEM FOR INSECT EXCLUSION NETTING OF FIELD GROWN BERRIES IN NEW YORK	136022	\$49,750
Matias, J.	CALS Communication	Templeton World Charity Foundation Inc	SCALING CITIZEN BEHAVIORAL SCIENCE FOR EFFECTIVE ONLINE DIALOGUE AND KNOWLEDGE CREATION (FULL PROPOSAL)	137461	\$999,888
McMahon, Peter	Applied & Engineering Physics	NTT Innovation Institute Inc	QUANTUM PRINCIPLES AND CONSTRUCTION OF COHERENT NETWORK COMPUTERS	89545	\$400,000
Mellon, Michael	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: NASA -> Jet Propulsion Laboratory)	PHASE D & E OF THE MARS 2020 ROVER INSTRUMENT RIMFAX (RADAR IMAGER FOR MARS SUBSURFACE EXPLORATION).	87789	\$938,400
Nault, Brian	CALS Entomology	USDA -> USDA National Institute of Food and Agriculture (Through: USMD -> University of Maryland Eastern Shore)	IR-4 NORTHEAST REGION MINOR CROP PEST MANAGEMENT: PERFORMANCE OF BROFLANILIDE AS AN ONION SEED TREATMENT FOR ONION MAGGOT MANAGEMENT	138438	\$10,000
Niederdeppe, Jeff	CALS Communication	HHS -> PHS -> NIH -> NIH Office of the Director, National Institutes of Health (Through: Weill Cornell Medicine)	DISPARITIES IN THE DIFFUSION OF DIRECT-ACTING ANTIVIRAL THERAPY FOR HEPATITIS C AMONG BABY BOOMERS: A MIXED-METHODS STUDY	91640	\$115,506
Pei, Zhuan	Policy Analysis and Management	Laura and John Arnold Foundation (Through: UCAL -> The Regents of the University of California on behalf of its Berkeley Campus)	EXPERIMENTAL ESTIMATES OF THE LONG-RUN IMPACTS OF WELFARE REFORM ON PARTICIPANTS AND THEIR CHILDREN	92130	\$93,044
Pugh, Frank	Molecular Biology and Genetics	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	GENOME-WIDE REGULATION OF THE TATA BINDING PROTEIN (5R01GM059055)	136178	\$193,263
Rosenfeld, Bryn	Government	NSF -> NSF Directorate for Social, Behavioral and Economic Sciences	VOTING IN AN AUTHORITARIAN REGIME UNDER STRESS: THE 2021 RUSSIAN ELECTION STUDY	137114	\$339,122
Samaranayake, Samitha	Civil & Environmental Engineering	United States Department of Energy (Through: Chattanooga Area Regional Transportation Authority)	AI-ENGINE FOR OPTIMIZING INTEGRATED SERVICE IN MIXED FLEET TRANSIT OPERATIONS	93006	\$150,000
Savransky, Dmitry	Mechanical & Aerospace Engineering	NASA -> Jet Propulsion Laboratory	ADVANCED SIMULATION AND MODELING FOR STARSHADE-BASED EXOPLANET IMAGING MISSIONS - YEAR 3	92864	\$48,265
Schuler, Krysten	Population Medicine & Diagnostic Science	Tennessee Wildlife Resources Agency (Through: TWRA -> Tennessee Wildlife Resources Foundation)	MODELING RISK OF INFECTION FOR INDIVIDUALLY HARVESTED DEER & ESTIMATING PREVALENCE WHEN SAMPLING IS LIMITED	136848	\$22,597
Shvets, Gennady	Applied & Engineering Physics	DOD -> DOD US NAVY -> Office of Naval Research	RECONFIGURABLE AND NON-HERMITIAN PHOTONIC HIGHER-ORDER TOPOLOGICAL INSULATORS ACROSS THE ELECTROMAGNETIC SPECTRUM	136881	\$604,855
Smart, Chris	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: University of Georgia)	CONTROL-ALT-DELETE: ENHANCING RESILIENCY OF BROCCOLI PRODUCTION BY MITIGATING ALTERNARIA LEAF BLIGHT AND HEAD ROT IN THE EASTERN UNITED STATES	92752	\$589,570

Steinschneider, Scott	CALS Biological & Environmental Engr	National Science Foundation (Through: The Trustees of Columbia University in the City of New York)	NSF CONVERGENCE ACCELERATOR TRACK D AMERICA'S WATER RISK: WATER SYSTEM DATA POOLING FOR CLIMATE VULNERABILITY ASSESSMENT AND WARNING SYSTEM	136559	\$150,000
Steinschneider, Scott	CALS Biological & Environmental Engr	Turlock Irrigation District	A PROCESS-BASED APPROACH TO BOTTOM-UP CLIMATE RISK ASSESSMENTS: DEVELOPING A WEATHER-REGIME BASED STOCHASTIC WEATHER GENERATOR FOR THE TUOLUMNE RIVER BASIN	138192	\$103,676
Stroock, Abraham	Chemical & Biomolecular Engineering	National Science Foundation (Through: FloraPulse Company)	MODELS TO PREDICT SOIL AND PLANT WATER STATUS FROM CONTINUOUS IN-PLANT MEASUREMENTS	92749	\$75,000
Sun, Ying	CALS School of Integrative Plant Science	National Aeronautics and Space Administration (Through: NASA - > Jet Propulsion Laboratory)	RESOLVING THE DIURNAL CYCLE OF SOLAR-INDUCED CHLOROPHYLL FLUORESCENCE (SIF) FROM STOMATE TO LANDSCAPE - YEAR 2	92835	\$49,017
Turner, Andy	Bronfenbrenner Ctr forTranslational Rsch	National Science Foundation (Through: Maine Mathematics and Science Alliance)	TRANSFORMING RURAL COMMUNITIES: VIRTUAL INSTRUCTIONAL COACHING IN AFTERSCHOOL AND LIBRARY PROGRAMS	138605	\$6,000
Umbach, Christopher	Materials Science Engineering	Fuera Technologies Inc	DETERMINATION OF PROPERTIES SPECIFIC COMPONENTS IN INTEGRATED CIRCUITS	138497	\$8,590
Vanucchi, Jamie	CALS Landscape Architecture	Landscape Architecture Foundation	LAF CASE STUDY INVESTIGATION (CSI) PROGRAM PARTICIPATION	138453	\$5,600
Wells, Martin	Department of Statistics & Data Science	HHS -> PHS -> National Institutes of Health (Through: Weill Cornell Medicine)	DISPARITIES IN THE DIFFUSION OF DIRECT-ACTING ANTIVIRAL THERAPY FOR HEPATITIS C AMONG BABY BOOMERS: A MIXED- METHODS STUDY	91605	\$301,287
Wethington, Elaine	Bronfenbrenner Ctr forTranslational Rsch	HHS -> PHS -> National Institutes of Health (Through: Weill Cornell Medicine)	DISPARITIES IN THE DIFFUSION OF DIRECT-ACTING ANTIVIRAL THERAPY FOR HEPATITIS C AMONG BABY BOOMERS: A MIXED- METHODS STUDY	91625	\$201,133
Wood, Christopher	CALS Lab of O - Programs	North Carolina Wildlife Resources Commission	BREEDING BIRD ATLAS AGREEMENT (NORTH CAROLINA WILDLIFE)	137894	\$93,500
Zhao, Qing	Electrical & Computer Engineering	USDA -> USDA National Institute of Food and Agriculture (Through: UCAL -> The Regents of the University of California on behalf of its Davis Campus)	THE AI INSTITUTE FOR SUSTAINABLE FOOD SYSTEMS	92188	\$146,991