

**Cornell University, Office of Sponsored Programs**  
**Awards Received in November 2020**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Project Title</b>	<b>OSP#</b>	<b>Amount</b>
Archer, Lynden	Chemical & Biomolecular Engineering	Merck & Company Inc	DIELECTRIC SPECTROSCOPY ON WET SAMPLES OF PHARMACEUTICAL EXCIPIENT	137900	\$845
Avgar, Ariel	Labor Relations, Law, & History	United States Nuclear Regulatory Commission	NEUTRAL SERVICES SUPPORTING THE NUCLEAR REGULATORY COMMISSION OFFICE OF ENFORCEMENT'S ALTERNATIVE DISPUTE RESOLUTION PROGRAM 2017-2022	137446	\$47,000
Balkman, Cheryl	Clinical Sciences	AKC -> American Kennel Club Canine Health Foundation	A PILOT STUDY TO EVALUATE THE TOLERABILITY AND EFFICACY OF TEMOZOLOMIDE IN COMBINATION WITH DOXORUBICIN FOR THE ADJUVANT TREATMENT OF CANINE SPLENIC HEMANGIOSARCOMA	137709	\$12,000
Bazarov, Ivan	Cornell Lab Accelerator Sciences & Ed	DOE -> DOE Office of Science	DEMONSTRATING IMPROVED LIFETIME IN SUPERLATTICE PHOTOCATHODES WITH ROBUST ACTIVATING COATINGS FOR HIGH CURRENT, HIGHLY SPIN-POLARIZED BEAM PRODUCTION	93066	\$159,000
Bean, Rachel	Center Astrophysics-Planetary Science	NASA -> Jet Propulsion Laboratory	PARTICIPATION OF RACHEL BEAN IN THE EUCLID PROJECT (FY 2021)	137031	\$119,000
Benedek, Nicole	Materials Science Engineering	American Chemical Society	EXPLORING THE FUNDAMENTAL LINK BETWEEN STRUCTURAL FLEXIBILITY AND ADSORPTION CAPACITY IN METAL-ORGANIC FRAMEWORKS FOR CHEMICAL SEPARATIONS	92846	\$110,000
Bigler, Esta	Labor & Employment Law	NYS -> New York State Division of Criminal Justice Services	CRIMINAL JUSTICE AND EMPLOYMENT INITIATIVE	90999	\$100,000
Bihn, Elizabeth	CALS Food Science	HHS -> PHS -> U.S. Food and Drug Administration (Through: NYS -> New York State Department of Agriculture and Markets)	PRODUCE SAFETY ALLIANCE (PSA) TRAININGS	136417	\$50,000
Bonassar, Lawrence	Biomedical Engineering	Nucleus Regenerative Therapies LLC	ASSESSMENT OF LUBRICATING PROPERTIES OF POLYACRYLAMIDE INJECTIONS FOR ARTHRITIS THERAPY	137881	\$49,045
Bunting-Howarth, Katherine	CALS Sea Grant	US DOC -> National Oceanic and Atmospheric Administration (Through: Purdue University)	AN APPLICATION FOR THE CONTINUOUS CYCLE OF FUNDING AND ACTIVITIES FOR CSMI: COOPERATIVE SCIENCE AND MONITORING INITIATIVE IN THE GREAT LAKES (LAKE ONTARIO)	92888	\$216,727
Castelhana, Marta	Clinical Sciences	HHS -> PHS -> National Institutes of Health (Through: University of Washington)	GENETIC AND ENVIRONMENTAL DETERMINANTS OF HEALTHY AGING IN COMPANION DOGS	90005	\$241,402
Coffman, Ronnie	CALS Global Development	CGIAR -> Centro Internacional De Mejoramiento de Maiz y Trigo	RESEARCH COLLABORATION AGREEMENT - ABACUSBIO	91147	\$10,000
Cummings, Bethany	Biomedical Sciences	HHS -> PHS -> NIH -> NIH National Institute of Diabetes and Digestive and Kidney Diseases	DEFINING ALPHA-CELL PROGLUCAGON PROCESSING FOR TYPE 2 DIABETES TREATMENT	92725	\$392,500
Dichtel, William	Chemistry and Chemical Biology	DOD -> DOD ARMY -> US ARL -> U.S. Army Research Office	THE CENTER FOR ADVANCED 2D ORGANIC NETWORKS	76091	\$495,000
Evans, Rick	Undergraduate Programs	National Science Foundation	COLLABORATIVE RESEARCH: WE ARE THRIVING: CHALLENGING NEGATIVE DISCOURSE THROUGH VOICES OF WOMEN IN PROJECT TEAMS	91580	\$117,977

Finkelstein, Julia	Nutritional Sciences	HHS -> PHS -> Centers for Disease Control and Prevention (Through: University of South Carolina)	A RANDOMIZED TRIAL OF QUADRUPLE FORTIFIED SALT FOR ANEMIA AND BIRTH DEFECTS PREVENTION IN SOUTHERN INDIA	86613	\$200,000
Frazier, Peter	Operations Research & Information Engr	DOD -> DOD US AF -> Air Force Office Of Scientific Research (Through: UCAL -> The Regents of the University of California on behalf of its San Diego Campus)	UNRAVELING THE MECHANISMS OF ICE NUCLEATION AND ANTI-ICING THROUGH AN INTEGRATED MULTISCALE APPROACH	91081	\$667,292
Gomez, Miguel	Dyson - Sponsored Activity	DANONUTRIC -> Danone US LLC	DYNAMIC PREDICTIVE STATISTICAL ANALYSIS AND VISUALIZATION OF CONSUMER PRODUCT EVALUATION (COMPLAINTS) DATA: A PROOF OF CONCEPT	137278	\$8,000
Gooch, Curt	CALS Animal Science	NYS -> New York State Department of Environmental Conservation	FOOD SCRAPS LAW IMPACT ON FARMS AND PROCESSORS	93183	\$200,000
Goodman, Laura	Population Medicine & Diagnostic Science	HHS -> PHS -> U.S. Food and Drug Administration	LAB-SUPPORTED ANTIMICROBIAL STEWARDSHIP AT THE CORNELL UNIVERSITY HOSPITAL FOR ANIMALS	93115	\$41,100
Goodman, Laura	Population Medicine & Diagnostic Science	HHS -> PHS -> U.S. Food and Drug Administration	ASSESSMENT OF ZOO NOTIC RISK OF EMERGING INFECTIONS IN COMPANION ANIMALS	93104	\$983,646
Gruner, Sol	Lab. of Atomic & Solid State Physics	Fei Company	IFEI EM-PAD (PHASE L & 2 & 4)	79321	\$73,117
Gu, April	Civil & Environmental Engineering	HHS -> PHS -> National Institutes of Health (Through: Northeastern University)	PUERTO RICO TESTSITE FOR EXPLORING CONTAMINATION THREATS (PROTECT) PROJECT 3	137195	\$14,104
Gu, April	Civil & Environmental Engineering	HHS -> PHS -> National Institutes of Health (Through: Northeastern University)	PUERTO RICO TESTSITE FOR EXPLORING CONTAMINATION THREATS (PROTECT) PROJECT 4	137196	\$69,192
Gu, April	Civil & Environmental Engineering	HHS -> PHS -> NIH -> NIH National Institute of Environmental Health Sciences (Through: Northeastern University)	PUERTO RICO TESTSITE FOR EXPLORING CONTAMINATION THREATS (PROTECT) PROJECT 2	88328	\$39,778
Haynes, Martha	Center Astrophysics-Planetary Science	The Brinson Foundation	FIREWORKS, FEEDBACK AND RECYCLING IN GAS-RICH GALAXIES	132413	\$50,000
Helbling, Damian	Civil & Environmental Engineering	DOD -> DOD ARMY -> U.S. Army Corps Of Engineers (Through: Colorado School Of Mines)	COMPREHENSIVE FORENSIC APPROACH FOR SOURCE ALLOCATION OF POLY- AND PERFLUOROALKYL SUBSTANCES	89514	\$367,182
Hernandez, Professor, Christopher	Mechanical & Aerospace Engineering	HHS -> PHS -> National Institutes of Health	THE MICROBIOME AND BONE STRENGTH	91208	\$127,284
Hernandez, Sara	Office of the Graduate School	Alfred P Sloan Foundation	IMPROVING ADMISSIONS AND MENTORING PRACTICES FOR GRADUATE STUDENTS WITHIN THE SLOAN UCEM COMMUNITY	137695	\$100,000
Hinojosa Huerta, Osvel	CALS Lab of O - Programs	The David and Lucile Packard Foundation	CORNELL LAB OF ORNITHOLOGY COASTAL SOLUTIONS FELLOWS (PHASE III)	137771	\$830,000
Hoffstaetter, Georg	Cornell Lab Accelerator Sciences & Ed	DOE -> DOE Office of Science	EXTREME LONGITUDINAL COMPRESSION OF OPTIMIZED BEAMS FOR MEV ULTRAFAST ELECTRON DIFFRACTION	93079	\$275,000
Hysell, David	Earth & Atmospheric Sciences	National Science Foundation (Through: University of Colorado Boulder)	SWQU: FORECASTING SMALL-SCALE PLASMA STRUCTURES IN EARTH'S IONOSPHERE-THERMOSPHERE SYSTEM	92528	\$296,021

Lammerding, Jan	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Heart, Lung, and Blood Institute	PREDICTING DRUG CARDIOTOXICITY TARGETS USING IPSC-DERIVED CARDIOMYOCYTES AND MACHINE LEARNING	92070	\$117,360
Leak, Tashara	Nutritional Sciences	USDA -> USDA National Institute of Food and Agriculture	THE ADVANCED COOKING EDUCATION (ACE) URBAN 4-H AFTER SCHOOL CLUB: A CLUSTER RANDOMIZED CONTROLLED TRIAL	92869	\$990,000
Leak, Tashara	Nutritional Sciences	HHS -> PHS -> NIH -> NIH National Heart, Lung, and Blood Institute (Through: UCAL -> The Regents of the University of California on behalf of its San Francisco Campus)	UCSF RESEARCH IN IMPLEMENTATION SCIENCE FOR EQUITY (RISE 2)	137518	\$11,500
Lewis, Karl	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Institute of Arthritis and Musculoskeletal and Skin Diseases (Through: Trustees of Indiana University)	OSTEOCYTE MECHANOTRANSDUCTION AND THE GABAPENTIN-SENSITIVE MATRIX-CHANNEL TETHERING COMPLEX	92326	\$10,855
Lin, Hening	Chemistry and Chemical Biology	Howard Hughes Medical Institute	DISCOVERING AND UNDERSTANDING NOVEL PROTEIN POSTTRANSLATIONAL MODIFICATIONS VIA STUDYING ORPHAN ENZYMES	77190	\$45,450
Lis, John	CALS Molecular Biology & Genetics	HHS -> PHS -> National Institutes of Health	HIGH-THROUGHPUT FUNCTIONAL CHARACTERIZATION OF HUMAN ENHANCERS	79660	\$329,509
Luo, Dan	CALS Biological & Environmental Engr	NSF -> NSF Directorate for Engineering	SNM: SCALABLE CELL-FREE PROTEIN MANUFACTURING VIA NANOCCLAY-DNA (NANOCCL) MICRODONUTS	75855	\$54,999
Matias, J.	CALS Communication	Consumer Reports	PRIVACY POLICY FOR CONSUMER TESTING CITIZEN SCIENCE	136586	\$18,000
Mattson, Neil	CALS School of Integrative Plant Science	NYS -> New York State Energy Research and Development Authority	NEW YORK STATE ENERGY DATABASE FOR CONTROLLED ENVIRONMENT AGRICULTURE	137764	\$224,817
Maxson, Jared	Cornell Lab Accelerator Sciences & Ed	DOE -> DOE Office of Science	ROBUST HETEROSTRUCTURE PHOTOCATHODES BASED ON III-NITRIDE MATERIALS FOR FUTURE ACCELERATOR FACILITIES	92301	\$1,075,000
McArt, Scott	CALS Entomology	NYS -> New York State Department of Agriculture and Markets	2019 HONEYBEE RESEARCH	90016	\$150,000
McCaughey, Erin	Policy Analysis and Management	HHS -> PHS -> NIH -> NIH National Institute on Drug Abuse (Through: Lifespan)	JAIL ROSTER DATABASE PROJECT: HOW DID COVID-19 AFFECT THE SIZE AND COMPOSITION OF LOCAL JAILS IN THE UNITED STATES?	137289	\$16,200
Mehta, Saurabh	Nutritional Sciences	World Health Organization	TRANSMISSION OF COVID-19 THROUGH BREAST MILK AND BREASTFEEDING: A LIVING SYSTEMATIC REVIEW (SUPPLEMENTAL SUPPORT)	137986	\$20,000
Mehta, Saurabh	Nutritional Sciences	Global Alliance for Improved Nutrition	VITAMIN A ASSESSMENT IN OIL: A LANDSCAPE REVIEW AND ANALYSIS	136778	\$29,988
Mirzakhani Nafchi, Ali	CALS Cornell Cooperative Extension	USDA -> USDA Agricultural Marketing Service (Through: University of Rhode Island)	SPECIALTY CROP MULTI-STATE PROGRAM	91386	\$120,800
Murdock, Courtney	CALS Entomology	HHS -> PHS -> National Institutes of Health	REDEFINING THERMAL SUITABILITY FOR URBAN MALARIA TRANSMISSION IN THE CONTEXT OF HUMIDITY	91434	\$3,762,861
Musick, Kelly	Policy Analysis and Management	HHS -> PHS -> National Institutes of Health (Through: Syracuse University)	HEALTH SHOCKS AND CHANGES IN SPATIAL PROXIMITY BETWEEN PARENTS AND CHILDREN BY RACE (CORE A)	89728	\$126,884

Nyrop, Jan	CALS Cornell AgriTech Fin & Operating	NYS -> Empire State Development	2018-2021 NEW YORK STATE ONION RESEARCH AND DEVELOPMENT PROGRAM (ORDP GROWER FUNDS)	86764	\$21,000
Nyrop, Jan	CALS Cornell AgriTech Fin & Operating	NYS -> Empire State Development	2018-2019 NEW YORK STATE CABBAGE RESEARCH AND DEVELOPMENT PROGRAM (CRDP GROWER FUNDS)	86649	\$21,021
Nyrop, Jan	CALS Cornell AgriTech Fin & Operating	NYS -> Empire State Development	2020-2021 NEW YORK STATE APPLE RESEARCH AND DEVELOPMENT PROGRAM (ARDP GROWER FUNDS)	136256	\$399,360
Orr, David	CALS Biological & Environmental Engr	United States Department of Transportation (Through: Rutgers The State University of New Jersey)	CENTER FOR ADVANCED INFRASTRUCTURE AND TRANSPORTATION (CAIT) REGIONAL UTC CONSORTIUM LED BY RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	84363	\$282,186
Osofsky, Steven	Population Medicine & Diagnostic Science	Dept for Environment Food & Rural Affairs (Through: Kavango Zambezi Transfrontier Conservation Area)	ASSESSMENT OF VETERINARY FENCES OF KEY IMPORTANCE TO THE HABITAT CONNECTIVITY AND DEVELOPMENT GOALS OF KAZA	92561	\$62,369
Peters, Joe	CALS Microbiology	Graphite Bio, Inc.	DEVELOPING A HIGH EFFICIENCY I-F3B TN7-CRISPR-CAS SYSTEMS FOR GUIDE RNA-DIRECTED TRANSPOSITION IN HUMAN CELLS USING ATYPICAL GUIDE RNAS	137155	\$500,000
Phillips, Tina	CALS Lab of O - Programs	National Science Foundation (Through: Twin Cities Public Television Inc)	SCIGIRLS IN THE NATIONAL PARKS: BUILDING POSITIVE STEM IDENTITIES IN UNDERSERVED GIRLS IN CITIZEN SCIENCE PROGRAMS USING GENDER EQUITABLE AND CULTURALLY RESPONSIVE PRACTICES	91687	\$276,138
Pugh, Frank	Molecular Biology and Genetics	HHS -> PHS -> NIH -> NIH National Human Genome Research Institute	HIGH RESOLUTION MAPPING OF FUNCTIONAL ELEMENTS IN THE YEAST GENOME (5R01HG004160)	136179	\$1,022,273
Reiners, Steve	CALS School of Integrative Plant Science	Monsanto Company	SPONSORED PRODUCT TESTING AGREEMENT (SERVICE ORDER 26)	137652	\$15,010
Rice, Aaron	CALS Lab of O - Programs	National Philanthropic Trust	CORAL REEF ACOUSTIC MONITORING FOR ACTIONABLE CONSERVATION AND RESTORATION	137432	\$699,974
Samaranayake, Samitha	Civil & Environmental Engineering	United States Department of Transportation	DWIGHT DAVID EISENHOWER TRANSPORTATION FELLOWSHIP PROGRAM (DDETFP) GRADUATE FELLOWSHIP	137844	\$10,000
Shepherd, Robert	Mechanical & Aerospace Engineering	NASA -> Jet Propulsion Laboratory	STRETCHABLE OPTICAL LIGHTGUIDES FOR SENSING DEFORMATION DURING PARACHUTE DEPLOYMENT	136630	\$10,000
Sipple, John	CALS Global Development	HHS -> PHS -> Administration For Children And Families	(IN)EQUITIES IN EARLY CARE AND EDUCATION ACCESS: INTERACTIONS AMONG POLICIES, SETTINGS, AND COMMUNITY CONTEXTS, 2007-2021	93119	\$105,000
Tako, Elad	CALS Food Science	HHS -> PHS -> National Institutes of Health (Through: SUNY -> State University of New York Binghamton)	ENGINEERING A SMALL INTESTINAL MICROBIOME TO EVALUATE FOOD ADDITIVE EXPOSURE	136917	\$218,407
Tako, Elad	CALS Food Science	AUSTRALIA -> Australian Research Council (Through: The University Of Melbourne)	ADVANCED PLANT BREEDING AND FOOD MANUFACTURING FOR HEALTHIER BREAD	137033	\$86,193
Tiffany, Jennifer	NYC - Cooperative Extension	USDA -> USDA Food and Nutrition Service (Through: NYS -> New York State Department of Agriculture and Markets)	FARMERS' MARKET ALLIANCE NYC 2020-2021	137331	\$10,000
VanderVen, Brian	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	CHARACTERIZATION OF THE NUTRIENT ASSIMILATION PATHWAYS IN M. TUBERCULOSIS	92742	\$2,952,742

Viands, Donald	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: UCAL -> The Regents of the University of California on behalf of its Davis Campus)	DEVELOPING REGIONALLY-ADAPTED, RESILIENT ALFALFA GERMPLASM POOLS	89782	\$110,000
Whittaker, Gary	Microbiology and Immunology	Winn Feline Foundation Inc	DEVELOPMENT OF IMPROVED CELL CULTURE SYSTEMS FOR FELINE CORONAVIRUS AND FIP VACCINE DEVELOPMENT	137188	\$17,500
Wiedmann, Martin	CALS Food Science	HHS -> PHS -> Centers for Disease Control and Prevention (Through: NYS -> NYSDOH -> Health Research Incorporated)	ELC FOODBORNE ILLNESS CENTERS OF EXCELLENCE	77671	\$354,496
Wilson, Justin	Chemistry and Chemical Biology	HHS -> PHS -> National Institutes of Health (Through: University Of Nevada Reno)	SYNAPTIC TRANSMISSION IS SHAPED BY THE MITOCHONDRIAL CALCIUM UNIPORTER	91352	\$21,095
Young, Judy	Scheinman Institute	Walton Family Foundation Inc	DIVERSITY AND INCLUSION CERTIFICATE WORKSHOP SERIES	137613	\$135,000