

**Cornell University, Office of Sponsored Programs
Awards Received in March 2021**

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Afridi, Khurram	Electrical & Computer Engineering	National Science Foundation (Through: Utah State University)	NSF ENGINEERING RESEARCH CENTER FOR ADVANCING SUSTAINABILITY THROUGH POWERED INFRASTRUCTURE FOR ROADWAY ELECTRIFICATION (ASPIRE)	90537	\$653,333
Agarwal, Rachit	Computer Science	National Science Foundation	CAREER: SYNCHRONOUS DATACENTER NETWORKS	136446	\$784,769
Aguilar-Carreno, Hector	Microbiology and Immunology	Bold Therapeutics, Inc	BOLD-100 INTERVENTION IN A COVID-19 CHALLENGE MODEL IN K18 HACE2 MICE	139302	\$83,224
Ananth, Nandini	Chemistry and Chemical Biology	United States Department of Energy (Through: Regents of the University of Minnesota)	IE XPLORING NUCLEAR QUANTUM EFFECTS ON ADSORPTION AND TRANSPORT IN POROUS MATERIALS	79925	\$112,581
Ando, Nozomi	Chemistry and Chemical Biology	HHS -> PHS -> National Institutes of Health	STRUCTURAL STUDIES OF ALTERNATING-SITE REACTIVITY IN NITROGENASE-LIKE OXIDOREDUCTASES	135993	\$3,348
Artzi, Yoav	Tech Research	DOD -> DOD ARMY -> US ARL -> U.S. Army Research Office	LEARNING THROUGH INTERACTION FOR LANGUAGE UNDERSTANDING AND GENERATION	136229	\$358,104
Baneux, Philippe	Biomedical Sciences	AALAS -> The American Society Of Laboratory Animal Practitioners	2021 ASLAP SUMMER FELLOWSHIP	137742	\$5,000
Bazarov, Ivan	Cornell Lab Accelerator Sciences & Ed	National Science Foundation (Through: NSF -> NSF Directorate for Mathematical and Physical Sciences)	REU SITE: ACCELERATOR PHYSICS AND SYNCHROTRON RADIATION SCIENCE	84442	\$67,999
Bilinski, Cheryl	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets	NEW YORK FARM TO SCHOOL PROGRAM	138194	\$255,440
Boliar, Saikat	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	MECHANISMS UNDERLYING LNCRNA SAF-MEDIATED SURVIVAL AND PERSISTENCE OF HIV-1 INFECTED MACROPHAGES	135994	\$431,750
Bonassar, Lawrence	Biomedical Engineering	Fidia Farmaceutici S.P.A.	ASSESSING EFFICACY OF ARTHRITIS THERAPEUTICS USING MODELS OF CARTILAGE INJURY	137926	\$153,855
Bouklas, Nikolaos	Mechanical & Aerospace Engineering	National Science Foundation	A MULTISCALE INVESTIGATION OF FATIGUE INDUCED DAMAGE PROGRESSION IN TENDON	136242	\$663,834
Bunting-Howarth, Katherine	CALS Sea Grant	US DOC -> National Oceanic and Atmospheric Administration (Through: SUNY -> SUNYRF -> The Research Foundation for the State University of New York Stony Brook)	SEA GRANT EXTENSION PROGRAM	84630	\$59,665
Bunting-Howarth, Katherine	CALS Sea Grant	NYS -> New York State Department of Environmental Conservation	SUPPORT FOR SMALL GRANTS, OUTREACH AND EXTENSION PROGRAMS ON GREAT LAKES ECOSYSTEM EDUCATION, CONSERVATION AND COASTAL RESTORATION & RESILIENCY	91507	\$2,471,232
Castelhana, Marta	Clinical Sciences	HHS -> PHS -> NIH -> NIH National Institute on Aging (Through: University of Washington)	THE DOG AGING PROJECT: GENETIC AND ENVIRONMENTAL DETERMINANTS OF HEALTHY AGING IN COMPANION DOGS	90005	\$272,543
Chappie, Joshua	Molecular Medicine	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	STRUCTURAL AND FUNCTIONAL CHARACTERIZATION OF THE MCRBC RESTRICTION SYSTEM	83016	\$31,719

Chattopadhyay, Eshan	Computer Science	National Science Foundation	CAREER: RANDOMNESS IN COMPUTATION	136439	\$583,274
De Vlamincq, Iwijn	Biomedical Engineering	HHS -> PHS -> NIH -> NIH Eunice Kennedy Shriver National Institute of Child Health and Human Development (Through: UCAL -> The Regents of the University of California on behalf of its San Francisco Campus)	DISCOVERY AND CLINICAL VALIDATION OF HOST BIOMARKERS OF DISEASE SEVERITY AND MULTISYSTEM INFLAMMATORY SYNDROME IN CHILDREN (MIS-C) WITH COVID-19	137341	\$318,825
De Vlamincq, Iwijn	Biomedical Engineering	Kenneth Rainin Foundation (Through: Weill Cornell Medicine)	CELL-FREE DNA AS A NON-INVASIVE TEST OF BACTERIAL TRANSLOCATION, ILEAL INFLAMMATION, AND EXTRA-INTERNAL CROHN'S DISEASE	89329	\$50,000
Degaetano, Arthur	CALS Earth and Atmospheric Science	US DOC -> National Oceanic and Atmospheric Administration	THE NORTHEAST REGIONAL CLIMATE CENTER	79436	\$71,251
Degaetano, Arthur	CALS Earth and Atmospheric Science	CANADA -> Environment and Climate Change Canada	UPDATE THE EXTREME PRECIPITATION IN ATLANTIC CANADA WEB APPLICATION WITH THE RECENTLY UPDATED ECCC AMS DATA FOR IDF LOCATIONS IN ATLANTIC CANADA	92539	\$5,911
Degaetano, Arthur	CALS Earth and Atmospheric Science	New Jersey (Through: Aecom International Development Inc)	SPONSORED SERVICE AGREEMENT (AECOM) (2020)	136931	\$63,983
Derry, Louis	Earth & Atmospheric Sciences	National Science Foundation	DEVELOPMENT OF GALLIUM-ALUMINUM RATIOS AS A TRACER OF THE CRITICAL ZONE BEHAVIOR OF A1	81094	\$20,163
Diel, Diego	Population Medicine & Diagnostic Science	Swine Health Information Center	EVALUATING METHODS OF EXTRACTION FOR PATHOGEN DETECTION IN FEED INGREDIENTS AND ENVIRONMENTAL SAMPLES FROM FEED MILLS	139109	\$16,546
Donaghy, Kieran	City and Regional Planning	DOD -> DOD US NAVY -> Office of Naval Research (Through: University of Southern California)	ECONOMIC VIABILITY, RESILIENCE, AND SUSTAINABILITY OF LOGISTICS SYSTEMS IN POST-CONFLICT ZONES	91295	\$86,000
Drinkwater, Laurie	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	CHARTING THE FOUNDATIONS OF SOIL HEALTH: DISCOVERING THE PLANT-MICROBE-SOIL INTERACTIONS THAT GOVERN SOM DYNAMICS	93091	\$499,826
Eshenaur, Brian	CALS NYS Integrated Pest Management	USDA -> USDA National Institute of Food and Agriculture	IMPROVING CONIFER ESTABLISHMENT USING SUSTAINABLE PEST MANAGEMENT & SOIL HEALTH PRACTICES	93166	\$255,696
Farnsworth, Andrew	CALS Lab of O - Administration	Lyda Hill Philanthropies	LIGHTS OUT TEXAS	139103	\$500,000
Ferrari, Silvia	Mechanical & Aerospace Engineering	DOD -> DOD US NAVY -> Office of Naval Research	A CYBER-PHYSICAL AUGMENTED REALITY TESTBED FOR AI-SUPPORTED REAL-TIME HUMAN-AUTONOMOUS SYSTEMS COLLABORATIONS (REALTHASC)	136018	\$216,701
Figuroa Bautista, Roger	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)	137463	\$11,670
Fleming, Paul	Society for the Humanities	American Council of Learned Societies	2021-22 ACLS EMERGING VOICES FELLOWSHIP	139273	\$60,000
Fowell, Deborah	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	DCM/INTEGRIN TFH POSITIONING CUES FOR SUPPORT OF THE GERMINAL CENTER RESPONSE	138380	\$1,463,152

Frey, Margaret	Fiber Science and Apparel Design	Folia Water Inc	ROUTINE PRODUCT TESTING AGREEMENT - FOLIA MATERIALS IMAGING AND ANALYSSI	139623	\$2,946
Fuchs, Gregory	Applied & Engineering Physics	DOD -> DOD Defense Advanced Research Project Agency (Through: Purdue University)	MCOQA: MECHANICALLY-DRIVEN, COHERENCE ENHANCED QUANTUM ANGLE SENSOR	86287	\$540
Giordano, Julio	CALS Animal Science	Breedsense AS	ABILITY OF THE DAISYSTICK ASSAY TECHNOLOGY TO IDENTIFY COWS OF DIFFERENT FERTILITY POTENTIAL	138259	\$135,900
Goldfeld, Ziv	Electrical & Computer Engineering	NSF -> NSF Directorate for Computer and Information Science and Engineering	CAREER: SMOOTH STATISTICAL DISTANCES FOR A SCALABLE LEARNING THEORY	137017	\$641,761
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
Hayes, Galina	Clinical Sciences	Aspca	A RANDOMIZED CONTROLLED TRIAL OF A RESOURCE EFFICIENT INTERVENTION PROTOCOL FOR MANAGEMENT OF TRAUMATIC WOUNDS IN DOGS	138437	\$7,265
Hernandez, Sara	Office of the Graduate School	Alfred P Sloan Foundation (Through: Purdue University)	INCLUSIVE LEADERSHIP DEVELOPMENT FOR SLOAN SCHOLARS	137710	\$29,400
Hilgartner, Stephen	Science and Technology Studies	Schmidt Futures (Through: The President and Fellows of Harvard College)	FUTURES FORUM ON PREPAREDNESS: COMPARATIVE STUDY OF EXPERTISE IN COVID RESPONSE	136755	\$28,681
Hoffstaetter, Georg	Cornell Lab Accelerator Sciences & Ed	United States Department of Energy (Through: Brookhaven National Lab)	EIC HADRON COOLER DESIGN	138875	\$230,000
Hoskins, Susan	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	AGRICULTURE DISTRICTS MAPPING PROGRAM (2020-2021)	138871	\$88,417
Klinck, Holger	CALS Lab of O - Programs	DOD -> DOD US NAVY -> Naval Facilities Engineering Command (Through: Triton Systems Inc.)	UNMANNED UNDERWATER VEHICLE (UUV) TECHNOLOGY TO ENABLE RANGE READINESS	91456	\$14,493
Knoblauch, Wayne	Dyson - Sponsored Activity	NYS -> New York State Department of Agriculture and Markets	FARM FAMILY ASSISTANCE - FARMNET (2020-2021)	92633	\$782,000
Levitt, Diane	K-12 Education	Robin Hood Foundation	ROBIN HOOD COMPUTATIONAL THINKING	138878	\$200,000
Lin, Song	Chemistry and Chemical Biology	Merck & Company Inc	ELECTROCHEMICAL DIFUNCTIONALIZATION OF ALKENES	91239	\$80,000
Lis, John	CALS Molecular Biology & Genetics	Breast Cancer Coalition of Rochester Inc	IDENTIFICATION AND FUNCTIONAL CHARACTERIZATION OF ENHANCER-ASSOCIATED MUTATIONS IN BREAST CANCER	138399	\$25,000
McArt, Scott	CALS Entomology	NYS -> New York State Department of Agriculture and Markets	HONEYBEE (2020-2021)	136226	\$120,000
McFadden, Joseph	CALS Animal Science	Foundation for Food & Agriculture Research (Through: North Carolina State University)	DEVELOPING NUTRITIONAL THERAPIES TO MITIGATE HEAT AND METABOLIC STRESS IN LACTATING DAIRY COWS.	86492	\$12,033
McIntyre, Peter	CALS Natural Resources	NYS -> New York State Department of Environmental Conservation	DELINEATING SPECIES BOUNDARIES IN THE SUMMER/WHITE SUCKER COMPLEX USING GENOTYPIC AND PHENOTYPIC TIME SERIES	137418	\$105,277
Mehta, Saurabh	Nutritional Sciences	Global Alliance for Improved Nutrition	REVIEW OF EFFICACY, EFFECTIVENESS AND IMPACT OF BIOFORTIFIED FOODS AND FOOD PRODUCTS (GAIN)	138668	\$26,268

Meszaros, Karola	Mathematics	NSF -> NSF Directorate for Mathematical and Physical Sciences	CAREER: INTEGER POINT TRANSFORMS OF POLYTOPES	87419	\$61,910
Moridi, Atieh	Mechanical & Aerospace Engineering	National Aeronautics and Space Administration	REAL TIME QUALITY CONTROL IN ADDITIVE MANUFACTURING USING IN PROCESS SENSING AND MACHINE LEARNING	138051	\$80,000
Nugen, Sam	CALS Food Science	USDA -> USDA National Institute of Food and Agriculture (Through: Virginia Polytechnic Institute and State University)	DEVELOPMENT OF A CRISPR-EQUIPPED ENGINEERED PHAGES (CREEP) FOR THE DETECTION OF ESCHERICHIA COLI (INDICATOR BACTERIA) IN AGRICULTURAL WATER	92895	\$26,736
Nyrop, Jan	CALS Cornell AgriTech Fin & Operating	NYS -> New York State Department of Agriculture and Markets	2020-2021 NEW YORK STATE APPLE RESEARCH AND DEVELOPMENT PROGRAM (ARDP STATE FUNDS)	136376	\$500,000
O'Rourke, Thomas	Civil & Environmental Engineering	DOE -> DOE Advanced Research Projects Agency-Energy (Through: University of Colorado Boulder)	TESTING AND ANALYSIS FOR RAPID ENCAPSULATION OF PIPELINES AVOIDING INTENSIVE REPLACEMENT (TA-REPAIR)	93080	\$632,275
Ober, Christopher	Materials Science Engineering	Intel Corporation	CONTROLLED SEQUENCE PEPTOIDS AS PHOTORESIST PLATFORMS	92684	\$55,031
Overton, Thomas	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets	DAIRY PROFIT TEAMS/DAIRY ADVANCEMENT PROGRAM (2020-2021)	92670	\$50,000
Overton, Thomas	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets	PRO DAIRY (2020-2021)	92668	\$1,201,000
Peck, Gregory	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	CORNELL HARD CIDER RESEARCH (2020-2021)	136469	\$160,000
Rahm, Brian	CALS Biological & Environmental Engr	USDA -> USDA Rural Development (Through: Syracuse University)	IMPROVE RURAL ECONOMIES IN NEW YORK STATE AND PUERTO RICO THROUGH COMMUNITY CAPACITY BUILDING FOR RESILIENT WATER INFRASTRUCTURE (TAT 2020)	92110	\$24,998
Rice, Aaron	CALS Lab of O - Programs	DOI -> Bureau of Ocean Energy Management	A DATABASE AND ACOUSTIC REFERENCE CATALOG OF MARINE FISH SOUNDSATLANTIC PILOT	137454	\$299,990
Rudik, Ivan	Dyson - Sponsored Activity	US DOC -> National Oceanic and Atmospheric Administration (Through: University of Miami)	THE SOCIAL VALUE OF HURRICANE FORECASTS	92832	\$133,237
Russell-Anelli, Jonathan	CALS School of Integrative Plant Science	USDA -> USDA Natural Resources Conservation Service (Through: NYS -> New York State Department of Agriculture and Markets)	MASTER LIST OF SOILS (2020-2021)	139528	\$5,000
Ryd, Anders	Cornell Lab Accelerator Sciences & Ed	National Science Foundation (Through: Princeton University)	U.S. CMS OPERATIONS AT THE LHC (SOFTWARE & COMPUTING SUBSYSTEMS)	78877	\$283,953
Sacks, Gavin	CALS Food Science	NYS -> New York State Department of Agriculture and Markets	2020-2021 CONCORD GRAPE RESEARCH	136467	\$200,000
Schimenti, John	Biomedical Sciences	Lalor Foundation Inc	MECHANISM OF SEXUALLY DIMORPHIC ADVERSE PREGNANCY OUTCOMES CAUSED BY GENOMIC INSTABILITY	138552	\$55,000
Schmit, Todd	Dyson - Sponsored Activity	USDA -> USDA Agricultural Marketing Service (Through: Colorado State University)	CROSS-STATE HETEROGENEITY OF FARM SCALE HEMP PRODUCTION COST	137839	\$20,000

Schryver, Tom	Center for Economic Advancement	NYS -> New York State Energy Research and Development Authority	HARDWARE CLEAN ENERGY ACCELERATOR: NAPKIN TO PROTOTYPE	91729	\$750,000
Schryver, Tom	Center for Economic Advancement	NYS -> Empire State Development	ESD ENTREPRENEURIAL SALES PROGRAM	138874	\$15,000
Sevier, Carolyn	Molecular Medicine	HHS -> PHS -> National Institutes of Health (Through: HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences)	MOLECULAR MECHANISMS TO MAINTAIN ER REDOX BALANCE	86328	\$32,343
Smart, Chris	CALS Food Science	NYS -> New York State Department of Agriculture and Markets	2020-2021 VEGETABLE RESEARCH	136527	\$80,000
Smolka, Marcus	Weill Institute	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	SIGNALING MECHANISMS IN GENOME MAINTENANCE	136032	\$2,711,060
Smolka, Marcus	Weill Institute	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	MECHANISMS OF HETEROCHROMATIN REPLICATION	82922	\$30,107
Steinschneider, Scott	CALS Biological & Environmental Engr	National Science Foundation (Through: Consortium of Universities for the Advancement of Hydrologic Science)	HYDROINFORMATICS INNOVATION FELLOWSHIP (FELLOW: MUKHOPADHYAY)	138943	\$3,500
Stup, Richard	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	FARM LABOR LAW SPECIALIST (2020-2021)	136373	\$200,000
Sullivan, Robert	Center Astrophysics-Planetary Science	NASA -> Jet Propulsion Laboratory (Through: AZ Board of Regents on behalf of Arizona State University)	MASTCAM-Z: A GEOLOGIC, STEREOSCOPIC, AND MULTISPECTRAL INVESTIGATION FOR THE NASA MARS 2020 ROVER MISSION	76138	\$2,068,032
Supron, Steven Warner, Mildred	Center for Economic Advancement CALS Global Development	FuzeHub Inc USDA -> USDA National Institute of Food and Agriculture	MANUFACTURING REIMAGINED REAL STRAW LOCAL GOVERNMENT, INEQUALITY AND RURAL WELLBEING	139168 93060	\$7,000 \$500,000
Watkins, James	CALS Natural Resources	International Joint Commission- Council of Great Lakes Research Managers	ORGANIZE AND LEAD THE VIRTUAL LAKE ONTARIO COOPERATIVE SCIENCE AND MONITORING INITIATIVE (CSMI) SCIENCE AND MANAGEMENT PRIORITIES WORKSHOP IN THE SUMMER OF 2021	139033	\$20,769
Weber, Courtney	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2020-2021 BERRY GROWERS RESEARCH	136666	\$208,000
Weiss, Robert	Biomedical Sciences	HHS -> PHS -> National Institutes of Health (Through: HHS -> PHS -> NIH -> NIH National Cancer Institute)	THE ROLE OF THE DNA DAMAGE RESPONSE IN THE DEVELOPMENT AND THERAPEUTIC SENSITIVITY OF MALIGNANT TESTICULAR GERM CELL TUMORS	89792	\$2,744
Wittich, Peter	Cornell Lab Accelerator Sciences & Ed	NSF -> NSF Directorate for Mathematical and Physical Sciences	PARTICLE PHYSICS AT CMS IN THE HIGH LUMINOSITY ERA	88416	\$150,000

Won, Eugene	CALS Animal Science	US DOC -> National Oceanic and Atmospheric Administration (Through: University of New Hampshire)	COMMERCIAL SCALE OFFSHORE AQUACULTURE DEMONSTRATION, TRAINING AND PERMITTING TO INCREASE STEELHEAD TROUT AND BLUE MUSSEL PRODUCTION IN NEW ENGLAND	86595	\$16,043
Xing, H. Grace	Electrical & Computer Engineering	Crystal-Is Inc.	SINGLE-CRYSTAL ALN SUBSTRATE ENABLED HIGH-POWER TRANSISTORS	139317	\$200,000
Yu, Haiyuan	Weill Institute	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	QUANTIFYING MOLECULAR CONSEQUENCES OF HUMAN MISSENSE VARIANTS WITH LARGE-SCALE INTERACTOME PERTURBATION STUDIES	82513	\$56,326
Yu, Haiyuan	Weill Institute	HHS -> PHS -> NIH -> NIH National Institute of Diabetes and Digestive and Kidney Diseases (Through: The Trustees of Columbia University in the City of New York)	ENHANCER-BASED IMMUNE AND BETA CELL DYSREGULATION UNDERLYING T1D RISK	93001	\$274,572
Zadeh, Rana	Design and Environmental Analysis	HHS -> PHS -> NIH -> NIH National Institute on Aging (Through: Weill Cornell Medicine)	INNOVATIVE MULTICOMPONENT MEDICATION MANAGEMENT PROGRAM FOR USE BY OLDER ADULTS WITH DEMENTIA AND THEIR CAREGIVERS	92778	\$215,354
Zhang, K. Max	Mechanical & Aerospace Engineering	National Science Foundation	SCC-CIVIC-PG TRACK B: ENGAGING RURAL COMMUNITIES FOR GREATER PREPAREDNESS AND RESILIENCE TO NATURAL DISASTERS	136948	\$50,000