

Cornell University, Office of Sponsored Programs
Awards Received in February 2025

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Abbaspourrad, Alireza	CALS Food Science	Dairy Management Inc	PRODUCTION OF BIODEGRADABLE, NON-TOXIC, AND BIO-BASED SURFACTANT AND SUSTAINABLE BIODIESEL FROM LACTOSE	181016	\$220,660
Afridi, Khurram	Electrical & Computer Engineering	National Science Foundation (Through: Gallox Semiconductors Inc)	HARNESSING GALLIUM OXIDE FOR HIGH-EFFICIENCY POWER CONVERSION IN DATA CENTERS	178061	\$95,000
Afridi, Khurram	Electrical & Computer Engineering	TOYOTA GRP -> TOYOTA -> The Raymond Corporation	COMPACT MULTI-OUTPUT SMART BATTERY CHARGER FOR MATERIAL HANDLING VEHICLES	180476	\$142,224
Aguilar-Carreno, Hector	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Center for Advancing Translational Sciences (Through: WEILL -> Weill Cornell Medicine Clinical & Translational Science Center)	SYNTHETIC CARBOHYDRATE RECEPTORS AS BROAD-SPECTRUM ANTIVIRALS	153926	\$40,000
Aller, Deborah	CALS School of Integrative Plant Science	USDA -> USDA Natural Resources Conservation Service (Through: American Farmland Trust)	CLIMATE SMART COMMODITY CROPS PROJECT	181759	\$40,000
Austerman, Mary	CALS Sea Grant	NYS -> New York State Department of Environmental Conservation	NEW YORK SEA GRANT SUPPORT FOR INVASIVE SPECIES ACTIVITIES	175224	\$136,641
Babonis, Leslie	Ecology and Evolutionary Biology	NSF -> NSF Directorate for Biological Sciences	CAREER: FROM NOVEL PROTEINS TO NOVEL ORGANELLES, CONSTRUCTION OF THE CNIDARIAN STINGING APPARATUS	174213	\$960,000
Bornt, Charles	CALS Cornell Cooperative Extension	USDA -> USDA National Institute of Food and Agriculture (Through: TAMU -> Texas A&M AgriLife Research)	CLIMATE RESILIENT HIGH-QUALITY TOMATO VARIETIES FOR SUSTAINABLE PRODUCTION	173541	\$40,000
Brown, Susan	CALS School of Integrative Plant Science	New York Apple Growers and Processors Association, Inc.	NEW YORK APPLE GROWERS	62119	\$74,517
Ciaramella, Michael	CALS Sea Grant	US DOC -> National Oceanic and Atmospheric Administration (Through: Regents of the University of Minnesota)	GREAT LAKES AQUACULTURE COLLABORATIVE: CASTING CONNECTIONS, NETTING KNOWLEDGE	173578	\$81,250
Damle, Anil	Computer Science	NSF -> NSF Directorate for Mathematical and Physical Sciences	CONFERENCE: EARLY-CAREER AND STUDENT SUPPORT FOR THE XXII HOUSEHOLDERSYMPOSIUM	177325	\$24,000
Daniel, Susan	Chemical & Biomolecular Engineering	United States Department of Energy (Through: BATTELLE -> Pacific Northwest National Laboratory)	MEASURING TOXIN ACTIVITY AND PATHOGENS IN UNKNOWN SAMPLES	137603	\$82,000
Daziano, Ricardo	Civil & Environmental Engineering	DOE -> DOE Office of Energy Efficiency and Renewable Energy (Through: Chattanooga Area Regional Transportation Authority)	AI-POWERED AUTONOMY-AWARE NEIGHBORHOOD MOBILITY ZONES: EQUITABLE SOLUTIONS AND BUSINESS MODELS FOR REVAMPING TRANSPORTATION	164805	\$660,000
Diel, Diego	Population Medicine & Diagnostic Science	Utah State University	SURVEILLANCE TESTING FOR SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS IN WHITE TAILED DEER	169832	\$67,130

Ellis, Kevin	Computer Science	DOE -> DOE National Nuclear Security Administration (Through: HONEYWELL -> NTESS -> Sandia National Laboratories)	SYMBOLIC MODELS FOR PHYSICAL PHENOMENA	181446	\$301,611
Forbes, Jethro	Clinical Sciences	IDEXX Laboratories Inc	INVESTIGATION OF URINARY CYSTATIN B AS AN EARLY MARKER OF ACUTE KIDNEY INJURY IN CANINE PATIENTS NATURALLY EXPOSED TO NEPHROTOXINS	183586	\$4,573
Fowell, Deborah	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH Office of the Director (Through: University of Rochester)	TISSUE REGULATION OF T CELL FUNCTION / URF AWD00003109	137499	\$224,571
Gadikota, Greeshma	Civil & Environmental Engineering	Experiment Foundation	ELECTRO-MINERALIZATION OF SILICATES: CO-PRODUCING CRITICAL METALS AND CARBON REMOVAL AT GIGATON SCALE	177078	\$2,000
Galelli, Stefano	Civil & Environmental Engineering	DOE -> DOE Office of Energy Efficiency and Renewable Energy (Through: UTBATTELLE -> Oak Ridge National Laboratory)	HYDROCHIPPIS	174243	\$224,049
Haji, Maha	Mechanical & Aerospace Engineering	United States Department of Energy (Through: ALLIANCE -> National Renewable Energy Laboratory)	CARBON SEAQUESTRATION HARNESSING ENERGY FROM WAVES	181709	\$10,000
Haji, Maha	Mechanical & Aerospace Engineering	United States Department of Energy (Through: ALLIANCE -> National Renewable Energy Laboratory)	WAVE POWERED IMTAQUACULTURE	181708	\$10,000
Hall, Matthew	Public Policy - Academic	Russell Sage Foundation	THE CONTEXT AND LIFE COURSE OF RACIAL/ETHNIC IDENTITIES AMONG MULTIRACIAL AMERICANS	176465	\$167,038
Hare, Jack	Lab of Plasma Studies	DOE -> DOE National Nuclear Security Administration (Through: HONEYWELL -> NTESS -> Sandia National Laboratories)	DYNAMIC INDUCTANCE SWITCHING	178411	\$349,998
Hare, Matthew	CALS Natural Resources	United States Environmental Protection Agency (Through: SUNY -> SUNYRF -> The Research Foundation for the State University of New York Stony Brook)	RESTORATIVE AQUACULTURE: MEASURING THE EXTENT OF ECOSYSTEM SERVICES FROM AQUACULTURE FARMS	177297	\$242,754
Hassani, Mostafa	Mechanical & Aerospace Engineering	DOD -> DOD ARMY -> Aberdeen Proving Ground	DISLOCATION DRAG IN NANOCRYSTALLINE CU-TA ALLOYS AT ULTRA-HIGH STRAIN RATES	171138	\$60,000
Hayes, Alexander	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: JHU -> The Johns Hopkins University Applied Physics Laboratory LLC)	PARTICIPATION OF PROFESSOR ALEX HAYES IN THE EUROPA IMAGING SYSTEM (EIS) AS A SCIENCE TEAM MEMBER - PHASE E	167183	\$1,547,289
Hitchcock, Peter	CALS Earth and Atmospheric Science	NSF -> NSF Directorate for Geosciences	CONFERENCE: IMPROVED STRATOSPHERIC SIMULATIONS FOR BETTER PREDICTION OF WEATHER AND CLIMATE EXTREMES	182088	\$33,592
Ho, Anna	Center Astrophysics-Planetary Science	LSST Inc	SCIALOG: EARLY SCIENCE WITH THE LSST	180930	\$66,000
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)	CRISIS INTERVENTION, DE-ESCALATION, AND RESTRAINT TRAINING FOR RESIDENTIAL CHILD CARE PROVIDERS (C029270)	140308	\$893,063

Kawate, Toshi	Molecular Medicine	HHS -> PHS -> NIH -> NIH National Institute of Neurological Disorders and Stroke	UNCOVERING THE MOLECULAR FUNCTION OF THE TWEETY HOMOLOGUE MEMBRANE PROTEIN FAMILY	175883	\$415,497
Kingra, Mahinder	CU Press	National Endowment for the Humanities	OPEN ACCESS EDITION OF "INTERASIAN INTIMACIES ACROSS RACE, RELIGION, AND COLONIALISM" BY CHIE IKEYA	176198	\$6,600
Kingra, Mahinder	CU Press	National Endowment for the Humanities	OPEN ACCESS EDITION OF "A CRUSADER'S DEATH AND LIFE IN ACRE: THE 1266 ACCOUNT-INVENTORY OF EUDES OF NEVERS" BY ANNE E. LESTER AND LAURA K. MORREALE	176115	\$6,600
Lamb, Elizabeth	CALS NYS Integrated Pest Management	New York State Flower Industries Research and Education Fund Inc	ENHANCING LEARNING OPPORTUNITIES THROUGH GREENHOUSE LIGHTING IMPROVEMENTS	180619	\$7,500
Lawrence, Joe	CALS Animal Science	New York Corn and Soybean Growers Association Inc	FIELD CROP PERFORMANCE NETWORK FOR CORN IN NY	175487	\$8,737
Lewis, Nikole	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: Association of Universities for Research in Astronomy)	JWST TELESCOPE SCIENTIST INVESTIGATION	88346	\$48,483
Liepe, Matthias	Cornell Lab Accelerator Sciences & Ed	United States Department of Energy (Through: FERMI FOWARD -> Fermi National Accelerator Laboratory)	ILC COST REDUCTION R&D	138480	\$25,000
Lighthall, Shari	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	24-25 ASSOCIATION OF AG EDUCATORS	173838	\$500,000
Lighthall, Shari	CALS School of Integrative Plant Science	NYS -> Empire State Development	2025 DAIRY PROMOTION ORDER: DAIRY IN THE CLASSROOM	178074	\$848,000
Lin, Song	Chemistry and Chemical Biology	AbbVie Inc	RESEARCH COLLABORATION WITH ABBVIE	174581	\$25,000
Londo, Jason	CALS School of Integrative Plant Science	NSF -> NSF Directorate for Biological Sciences	COLLABORATIVE RESEARCH: RESEARCH-PGR: DECONSTRUCTING PLASTICITY IN PERENNIAL PLANTS: GENOMIC AND EPIGENOMIC ARCHITECTURE OF SCION AND ROOTSTOCK TRAITS IN GRAFTED GRAPEVINES	174081	\$792,175
Mahowald, Natalie	Earth & Atmospheric Sciences	Spark Climate Solutions Inc	CHLORINE OXIDATION EXPERIMENT, ATLANTIC, PUERTO RICO	179896	\$82,500
Martinez, Carmen	CALS School of Integrative Plant Science	UKRI -> Natural Environment Research Council (Through: NSF -> NSF Directorate for Geosciences)	NERC NSFGE0: UNRAVELING THE FORMATION AND IMPACT OF THE PLASTISPHERE IN RESPONSE TO ENVIRONMENTAL STRESSES IN MICROPLASTIC CONTAMINATED SOILS	170775	\$478,560
Martinez, Jessica	Johnson Art Museum	NYS -> New York State Council on the Arts	HERBERT F. JOHNSON MUSEUM OF ART - NYS CA 2025 SUPPORT FOR ORGANIZATIONS	176688	\$40,000
McComas, Katherine	CALS Communication	DOI -> United States Geological Survey (Through: UNIV CO -> University of Colorado Boulder)	HOW INSTITUTIONAL CONTEXT AND EMOTIONS SHAPE MANAGER DECISIONS TO RESIST, ACCEPT, OR DIRECT CHANGE IN TRANSFORMING ECOSYSTEMS: A CROSS-CASE STUDY IN FOUR NATIONAL PARKS	181638	\$26,811
Mitchell, Katharyn	Clinical Sciences	The AAEP Foundation Inc	THE USE OF CELL CULTURE TO INVESTIGATE MECHANISMS OF VALVULAR REGURGITATION IN HORSES	176091	\$20,000
Moghe, Gaurav	CALS School of Integrative Plant Science	NSF -> NSF Office of International Science & Engineering (Through: Michigan State University)	GLOBAL CENTER: INTERNATIONAL RESEARCH CENTER FOR ENHANCING PLANT, SOIL, AND MICROBIAL RESILIENCE	174547	\$359,954

Nair, Hari	Materials Science Engineering	DOD -> DOD ARMY -> Aberdeen Proving Ground (Through: AZ Board of Regents on behalf of Arizona State University)	DESIGN AND ENGINEERING OF THERMALLY MANAGED -GA2O3 SELF-ALIGNED HIGH FREQUENCY TRANSISTORS	173145	\$600,000
Nair, Sriramya	Civil & Environmental Engineering	DOE -> DOE Office of Energy Efficiency and Renewable Energy (Through: Princeton University)	INTER-GRINDING OF WASTE ACTIVATORS AND LOW-GRADE CALCINED KAOLIN CLAY FOR ONE-PART ALKALI-ACTIVATED CONCRETE TECHNOLOGY (INTERAACT)	162119	\$473,063
Niebel, William	Law School Dean's Office	NYS -> New York State Office of Temporary and Disability Assistance (Through: Legal Assistance of Western New York Inc)	ERAP - EMERGENCY RENTAL ASSISTANCE PROGRAM.	144082	\$132,350
Nishimura, Nozomi	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Cancer Institute (Through: Northeastern University)	DISEASE-HOMING LIGHT DELIVERY BY ENGINEERING BIOLUMINESCENT IMMUNE CELLS FOR WHOLE BODY PRECISION PHOTOMEDICINE	143293	\$3,867
Ober, Christopher	Materials Science Engineering	SK INC -> SK Hynix Inc	DEVELOPMENT OF HIGH NA PHOTORESISTS FOR EUV PATTERNING	143941	\$150,000
Ober, Christopher	Materials Science Engineering	DuPont de Nemours Inc	DEVELOPMENT OF HIGH NA PHOTORESISTS FOR EUV PATTERNING	160392	\$150,000
Olmstead, Todd	Public and Ecosystem Health	HHS -> PHS -> NIH -> NIH National Institute on Minority Health and Health Disparities (Through: UTS -> The University of Texas at Austin)	INTEGRATED TELE-BEHAVIORAL ACTIVATION AND FALL PREVENTION FOR LOW-INCOME HOMEBOUND OLDER ADULTS	181397	\$64,613
Park, Heeju	Human Centered Design	US DHS -> Federal Emergency Management Agency (Through: International Personnel Protection Inc)	FIRE FIGHTING PPE REIMAGINED	183445	\$99,998
Peck, Mason	Mechanical & Aerospace Engineering	DOE -> DOE National Nuclear Security Administration (Through: HONEYWELL -> NTESS -> Sandia National Laboratories)	CHIPSATS AS A PLATFORM FOR SPACE RADIATION SENSING	179681	\$156,000
Pendergrass, Angeline	CALS Earth and Atmospheric Science	NSF -> NSF Directorate for Geosciences	CAREER: CONTEXTUALIZING CHANGES IN EXTREME PRECIPITATION	177089	\$1,201,906
Pillemer, Karl	Bronfenbrenner Ctr for Translational Rsch	Council of Senior Centers and Services of NYC Inc	NEW YORK CLIMATE AGING ACTION NETWORK	180358	\$15,000
Pizarro, David	CAS Psychology	John Templeton Foundation (Through: Baylor University)	ART ENGAGEMENT'S EFFECTS ON MORAL JUDGMENTS	171587	\$75,600
Reed, Patrick	Civil & Environmental Engineering	DOE -> DOE National Nuclear Security Administration (Through: LLNS LLC -> Lawrence Livermore National Laboratory)	MAPPING THE HUMAN-NATURAL SYSTEM AT LOCAL TO REGIONAL SCALES	182800	\$40,000
Reid, Judson	CALS Cornell Cooperative Extension	USDA -> USDA Farm Service Agency (Through: Virginia State University)	USDA URBAN AND INNOVATION AGRICULTURE/ NATIONAL URBAN AGRICULTURAL PROGRAM DEVELOPMENT	147663	\$34,222
Rudd, Brian	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	MAPPING INFANT AND ADULT T CELL IMMUNITY	175464	\$3,561,252

Russell, David	Microbiology and Immunology	The Mueller Health Foundation Inc	A RATIONAL PIPELINE FOR DEVELOPMENT OF NOVEL ANTI-TB DRUG REGIMENS	141507	\$456,355
Saltiel, Seth	Earth & Atmospheric Sciences	NSF -> NSF Directorate for Geosciences	COLLABORATIVE RESEARCH: SEEING AND HEARING FRICTIONAL INTERFACES: USING TOTAL INTERNAL REFLECTION IMAGING AND ACOUSTIC METHODS TO EXPLORE CONTACT DYNAMICS	171583	\$125,519
Schimenti, John	Biomedical Sciences	HHS -> PHS -> National Institutes of Health (Through: Magee-Womens Research Institute And Foundation)	GENETICS OF MALE INFERTILITY: ACCELERATING THE PACE OF DISCOVERY	168412	\$1,140,253
Sethupathy, Praveen	Biomedical Sciences	Fibrolamellar Cancer Foundation	SPATIALLY RESOLVING THE TUMOR MICROENVIRONMENT OF FIBROLAMELLAR CARCINOMA	178039	\$300,094
Smallidge, Peter	CALS Natural Resources	NYS -> New York State Department of Agriculture and Markets (Through: SUNY -> State University of New York College of Environmental Science and Forestry)	CLIMATE AND APPLIED FOREST RESEARCH INSTITUTE (CAFRI 2.0)	147697	\$250,000
Sosoe, Philippe	Mathematics	The Simons Foundation Inc	MATHEMATICAL STATISTICAL MECHANICS	178467	\$101,246
Spitz, Judith	Central Research - Unallocated	ELC -> Estee Lauder Companies Charitable Foundation	PROFESSIONAL READINESS CURRICULUM WITH AN EMPHASIS ON LEADERSHIP FOR WOMEN IN TECH	168950	\$150,000
Steenhuis, Tamme	CALS Biological & Environmental Engr	NYS -> New York State Department of Environmental Conservation	WATER QUALITY MONITORING FOR PESTICIDES IN UPSTATE NEW YORK	136274	\$254,017
Sweeney, Dan	SCL Administration & Support	NYS -> Dormitory Authority of the State of New York	PURCHASE AND INSTALLATION OF SECURITY CAMERAS FOR THE CAMPUS	169924	\$385,000
Thom-Levy, Julia	Lab. of Atomic & Solid State Physics	United States Department of Energy (Through: UCHICAGO -> Argonne National Laboratory -> Argonne National Laboratory)	SUCCESSIVE BUNCH DIFFRACTION DETECTOR FOR THE APS-U	146142	\$250,000
Todhunter, Rory	Clinical Sciences	The Stanton Foundation	VTMED 6896: EMERGENCY PROCEDURES AND PRACTICAL SURGICAL TREATMENT OF SMALL ANIMALS	182222	\$28,511
Turgeon, Robert	Plant Biology	Citrus Research and Development Foundation Inc	PROTECTING CITRUS TREES FROM CITRUS GREENING WITH ANCHORED, SINGLE-CHAIN ANTIBODIES	150964	\$183,915
Van Amburgh, Mike	CALS Animal Science	NYS -> New York State Department of Environmental Conservation	CORNELL NET CARBOHYDRATE AND PROTEIN SYSTEM DEVELOPMENT OF LOW NITROGEN DIET STRATEGIES FOR NEW YORK DAIRY PRODUCERS AND NUTRITIONISTS WITH DIET COSTS AND INCOME OVER FEED COST CONSIDERATIONS AND DE	167695	\$526,591
Vanucchi, Jamie	CALS Landscape Architecture	Hudson River Foundation for Science and Environmental Research Inc (Through: Wildlife Conservation Society)	CONEY ISLAND COMMUNITY-DRIVEN CLIMATE RESILIENCE ACTION PLAN	168690	\$7,000
Whitmore, Mark	CALS Natural Resources	DOI -> United States Geological Survey (Through: UMASS -> University of Massachusetts Amherst)	CLIMATE SMART FOREST ADAPTATION IN THE WAKE OF HEMLOCK WOOLLY ADELGID	174107	\$486,924

Womack, Molly	Ecology and Evolutionary Biology	NSF -> NSF Directorate for Biological Sciences (Through: California State University Channel Islands)	BRC-BIO: PHENOTYPIC CONVERGENCE AND TRAIT LOSS IN HIGH-ELEVATION ANDEAN FROGS	180392	\$30,075
Xing, H. Grace	Electrical & Computer Engineering	DOD -> DOD ARMY -> Aberdeen Proving Ground	ULTRA-WIDE BANDGAP RF HEMTS ON ALN ENABLED BY EPI-HI-K + EPI-METAL-GATE	140409	\$41,200
Xu, Kenong	CALS School of Integrative Plant Science	Okanagan Biotechnology Inc.	FIELD TRIAL ACTIVITIES	47057	\$16,668