

Cornell University, Office of Sponsored Programs
Awards Received in February 2024

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Basedow, Michael	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	EVALUATING THE NEW APPLE THINNING MATERIAL ACCEDE UNDER NORTHERN NEW YORK THINNING CONDITIONS	168411	\$13,629
Bilinski, Cheryl	CALS Cornell Cooperative Extension	USDA -> USDA Agricultural Marketing Service (Through: Buffalo Public Schools)	BUFFALO NY FOOD TO NY FAMILIES	151405	\$60,000
Bonassar, Lawrence	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Cancer Institute (Through: Weill Cornell Medicine)	ROLE OF THE STROMAL MICROENVIRONMENT IN B-CELL LYMPHOMA PROGRESSION AND IMMUNE ESCAPE	89874	\$18,000
Bonhotal, Jean	CALS School of Integrative Plant Science	USDA -> USDA Animal and Plant Health Inspection Service (Through: NYS -> New York State Department of Agriculture and Markets)	23-25 COMPOST SME	168506	\$41,000
Brock, Joel	Cornell Lab Accelerator Sciences & Ed	NSF -> NSF Directorate for Biological Sciences	MID-SCALE RI-1 (MI:IP): X-RAYS FOR LIFE SCIENCES, ENVIRONMENTAL SCIENCES, AGRICULTURE, AND PLANT SCIENCES (XLEAP)	158742	\$19,999,301
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)	AQUATIC MICROPLASTIC FILTRATION DEVICE RESEARCH AND PILOT DEPLOYMENT	146485	\$251,647
Buote, Nicole	Clinical Sciences	Ontario Veterinary College (Through: University of Guelph)	PILOT EVALUATION OF NEAR INFRARED FLUORESCENCE IMAGING FOR INTRAOPERATIVE IDENTIFICATION OF CANINE INSULINOMA AND THEIR METASTASIS	168054	\$810
Capiro, Natalie	CALS Biological & Environmental Engr	DOD -> DOD United States Army (Through: Auburn University)	DEVELOPMENT OF PREDICTIVE TOOLS FOR ASSESSMENT OF NATURAL ATTENUATIONCAPACITY AND TREATMENT TRANSITION AT CHLORINATED SOLVENT SITES	165189	\$209,029
Chang, Yung-Fu	Population Medicine & Diagnostic Science	HHS -> PHS -> NIH -> NIH National Cancer Institute (Through: Weill Cornell Medicine)	PROTEIN AND LNP-RNA VACCINES AGAINST FUSOBACTERIA NUCLEATUM FOR FAMILIAL ADENOMATOUS POLYPOSIS AND LYNCH SYNDROME COLORECTAL CANCER IMMUNOPREVENTION	143583	\$157,453
Cira, Nate	Biomedical Engineering	HHS -> PHS -> National Institutes of Health (Through: Weill Cornell Medicine)	NEXT GENERATION FLUIDIC TOOLS FOR TB RESEARCH	164269	\$78,500
Coates, Geoffrey	Chemistry and Chemical Biology	United States Department of Energy (Through: DOE -> DOE SCIENCE -> Ames Laboratory)	EFRC INSTITUTE FOR COOPERATIVE IN UPCYCLING OF PLASTIC (ICOUP)	93117	\$75,000

Cox, Kerik	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: UWS -> Board of Regents of the University of Wisconsin System on Behalf of the University of Wisconsin-Madison)	REVOLUTIONIZING ORGANIC FIRE BLIGHT MANAGEMENT: HARNESSING THE POWER OF NOVEL BIOCONTROL BACTERIUM PSEUDOMONAS SOLI T307	158597	\$68,406
Davis, Michael	CALS CU Agriculture Experiment Station	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	ESTABLISHING NEW COMMERCIAL FRUIT & NUT CROPS FOR NORTHERN NEW YORK	168374	\$11,564
De Jong, Walter	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: University of Maine)	BREEDING AND DEVELOPING POTATO VARIETIES WITH ENHANCED RESILIENCE TO ABIOTIC AND BIOTIC STRESSES IN THE EASTERN UNITED STATES	158627	\$258,124
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 Diego Campus)	DIAGNOSING AND PREDICTING RISK IN CHILDREN WITH SARS-COV-2- RELATED ILLNESS	161217	\$72,537
DeLisa, Matthew	Institute Biotechnology & Life Science	NYS -> NYS ESD -> New York State Division of Science, Technology and Innovation	CENTER FOR LIFE SCIENCE ENTERPRISE	139995	\$98,023
Degaetano, Arthur	CALS Earth and Atmospheric Science	Harmonic International LLC (Through: Fernleaf Interactive LLC)	SCIENCE RELATED COMMUNICATION SERVICES FOR THE CLIMATE PROGRAM OFFICE	146955	\$10,000
Ferrari, Silvia	Mechanical & Aerospace Engineering	TOYOTA -> The Raymond Corporation	REAL-TIME MIXED HUMAN-ROBOT TEAMING FOR TASK SCHEDULING USING DIGITAL TWINS	168529	\$250,000
Feschotte, Cedric	CALS Molecular Biology & Genetics	HHS -> PHS -> NIH -> NIH National Eye Institute	TRANSPOSON CONTROL AS A CHECKPOINT DURING REGENERATION	144268	\$6,552
Fiani, Nadine	Clinical Sciences	Foundation for Veterinary Dentistry	MORPHOLOGICAL STUDY OF PULP CAVITY ANATOMY OF CANINE TEETH IN DOMESTIC CATS USING MICRO-COMPUTED TOMOGRAPHY	164216	\$10,000
Frey, Margaret	Human Centered Design	USDA -> USDA National Institute of Food and Agriculture (Through: Pennsylvania State University)	VALORIZATION OF LIGNIN FROM AGRICULTURAL RESIDUES FOR FUNCTIONAL FIBERS AND SUSTAINABLE FUELS (01/01/2024-06/30/2024)	168915	\$37,500
Goddard, Julie	CALS Food Science	USDA -> USDA National Institute of Food and Agriculture (Through: Utah State University)	UV-A LIGHT ACTIVATED BIODEGRADABLE ANTIMICROBIAL PACKAGING: A SUSTAINABLE HURDLE TECHNOLOGY FOR FOOD PRESERVATION	145828	\$97,011
Halpern-Leistner, Daniel	Mathematics	The Simons Foundation Inc	THE NONCOMMUTATIVE MINIMAL MODEL PROGRAM	165825	\$98,873
Harrington, Laura	CALS Entomology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases (Through: UMASS -> University of Massachusetts Amherst)	A NOVEL APPROACH OF AGE-GRADING OF MOSQUITOES USING SERS AND MACHINE LEARNING MODELS.	152474	\$269,757

Hodgdon, Elisabeth	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	IMPROVING HIGH TUNNEL PRODUCTION IN NORTHERN NEW YORK	168422	\$25,960
Holden, Martha	Bronfenbrenner Ctr forTranslational Rsch	NYS -> New York State Office of Children and Family Services	CRISIS INTERVENTION, DE-ESCALATION, AND RESTRAINT TRAINING FOR RESIDENTIAL CHILD CARE PROVIDERS (C029270)	140308	\$893,168
Hoskins, Susan	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2023-2024 AGRICULTURAL DISTRICTS MAPPING PROGRAM	154583	\$90,923
Jena, Debdeep	Electrical & Computer Engineering	DOD -> DOD Defense Advanced Research Project Agency (Through: Raytheon Company)	FURTHER REDUCTION OF SEMICONDUCTOR TEMPERATURE USING BACKSIDE-DIAMOND INTEGRATED WITH TOPSIDE-DIAMOND ENHANCEMENTS (FROST BITE)	152543	\$2,200,000
Jiang, Shaoyi	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	IMMUNOGENICITY OF LIPID NANOPARTICLES	163202	\$3,373,686
Kalantari, Saleh	Human Centered Design	NSF -> NSF Directorate for Computer and Information Science and Engineering	CAREER: USING VIRTUAL REALITY GAMING TO DEVELOP A PREDICTIVE SIMULATION OF HUMAN-BUILDING INTERACTIONS: BEHAVIORAL AND EMOTIONAL MODELING FOR PUBLIC SPACE DESIGN	164062	\$574,136
Ketterings, Quirine	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	LINKING DAIRY SUSTAINABILITY METRICS TO PROMOTE, DRIVE AND SUPPORT SUSTAINABILITY	168522	\$34,220
Ketterings, Quirine	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	ON-FARM EVALUATION OF THE VALUE OF MANURE	168543	\$38,350
Ketterings, Quirine	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	DEVELOPMENT OF A USER-FRIENDLY WEB-BASED TOOL FOR FARMERS TO IMPLEMENT AND ANALYZE ON-FARM RESEARCH	168546	\$31,270
Knepper, Richard	Center for Advanced Computing	NSF -> NSF Directorate for Computer and Information Science and Engineering (Through: UTS -> The University of Texas at Austin)	SCIP: CHISHIKI.AI: A SUSTAINABLE, DIVERSE, AND INTEGRATED CIP COMMUNITY FOR ARTIFICIAL INTELLIGENCE IN CIVIL AND ENVIRONMENTAL ENGINEERING	155421	\$876,870
Kopko, Kimberly	Bronfenbrenner Ctr forTranslational Rsch	NYS -> New York State Office of Mental Health (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	NEW YORK STATE PARENTING EDUCATION PARTNERSHIP	170625	\$121,482
Krishnamurthy, Vikram	Electrical & Computer Engineering	DOD -> DOD ARMY -> Aberdeen Proving Ground	ADVERSARIAL INVERSE REINFORCEMENT LEARNING WITH APPLICATIONS IN COGNITIVE RADAR	163116	\$588,917

Kumar, Vipin	CALS School of Integrative Plant Science	New York Corn and Soybean Growers Association Inc	INVESTIGATION OF HERBICIDE RESISTANCE IN TALL WATERHEMP AND PALMER AMARANTH POPULATIONS AND MANAGEMENT IN NEW YORK (NY) SOYBEAN FIELDS	168758	\$25,000
Laba, Magdeline	CALS School of Integrative Plant Science	Suffolk County (Through: SUFF CTY -> Long Island Commission for Aquifer Protection)	POTENTIAL HAZARDOUS WASTE DISPOSAL SITE IDENTIFICATION PROGRAM SUFFOLK COUNTY WATER AUTHORITY	160661	\$200,000
Lammerding, Jan	Weill Institute	Fondation Leducq	CYTOSKELETAL REGULATION OF CARDIOMYOCYTE HOMEOSTASIS IN HEALTH AND DISEASE	166802	\$199,999
Lawrence, Joe	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	FIELD CROP PERFORMANCE NETWORK	167762	\$20,957
Levy, Karen	Information Science	John D and Catherine T MacArthur Foundation	AI, POLICY, AND PRACTICE INITIATIVE	167884	\$750,000
Lighthall, Shari	CALS School of Integrative Plant Science	NYS -> Empire State Development	DAIRY IN THE CLASSROOM 2023-2024	169704	\$754,020
Liu, Kelly	Molecular Biology and Genetics	NSF -> NSF Directorate for Biological Sciences	REU SITE: MOLECULAR BIOLOGY AND GENETICS OF CELL SIGNALING	166492	\$426,663
Liu, Kelly	Molecular Biology and Genetics	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	MOLECULAR MECHANISMS REGULATING AND INTERPRETING BMP SIGNALING	146658	\$2,658,025
Ma, Minglin	CALS Biological & Environmental Engr	University of Virginia	VOXELATED BIOPRINTING SCAFFOLDS TO REVERSE TYPE 1 DIABETES	168115	\$30,000
Mann, Kathryn	Mathematics	The Simons Foundation Inc	FROM FLOWS TO GROUP ACTIONS: DYNAMICS AND RIGIDITY IN LOW DIMENSIONS	165422	\$108,514
McFarland, Ashley	CALS Cornell Cooperative Extension	New York Farm Viability Institute Inc	PRECISION FEED MANAGEMENT - GRASS FED BEEF CATTLE	141865	\$109,430
Monticone, Francesco	Electrical & Computer Engineering	United States Department of Energy (Through: Sandia National Laboratories)	NONLOCAL AND NONRECIPROCAL CONTROL OF ULTRAFAST INCOHERENT EMISSION	167608	\$65,000
Moore, Virginia	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	BREEDING CEREAL RYE FOR LATE-SEASON COVER CROP PLANTING	168404	\$8,500
Nydam, Daryl	Public and Ecosystem Health	Merck & Company Inc	COMPARISON OF THE EFFECTIVENESS OF BOVILIS J5 WITH TWO OTHER COMMERCIALY AVAILABLE VACCINES LABELED AGAINST COLIFORM MASTITIS - MS-BOVILIS J5-01-23	169344	\$233,136
Ober, Christopher	NanoScale Science & Technology Facility	National Science Foundation (Through: University of Chicago)	FUSE: PRECISE SEQUENCE SPECIFIC BLOCK COPOLYMERS FOR DIRECTED SELF-ASSEMBLY - CO-DESIGN OF LITHOGRAPHIC MATERIALS FOR PATTERN QUALITY, SCALING, AND MANUFACTURING	159639	\$570,000
Odoms-Young, Angela	Nutritional Sciences	USDA -> USDA Agricultural Marketing Service (Through: NYS -> New York State Department of Agriculture and Markets)	23-24 FMNP NUTRITIONAL EDUCATION AND OUTREACH	165101	\$100,000

Ong, Anthony	CHE-Psychology	HHS -> PHS -> NIH -> NIH National Institute on Aging (Through: Northwestern University)	ADVANCING THE STUDY OF SOCIAL ISOLATION, LONELINESS, AND COGNITIVE FUNCTIONING IN OLDER ADULTS THROUGH THE USE OF INTEGRATIVE DATA ANALYSIS	146768	\$1,154,934
Parise, Francesca	Electrical & Computer Engineering	NSF -> NSF Directorate for Engineering	CAREER: STRATEGIC INTERACTIONS, LEARNING, AND DYNAMICS IN LARGE-SCALE MULTI-AGENT SYSTEMS: ACHIEVING TRACTABILITY VIA GRAPH LIMITS	160505	\$550,000
Pennycook, Gordon	Psychology	DOD -> DOD US NAVY -> Office of Naval Research (Through: Carnegie Mellon University)	MULTI-LEVELS MODELS OF COVERT ONLINE INFORMATION CAMPAIGNS	166903	\$90,940
Peters, Joe	CALS Microbiology	HHS -> PHS -> National Institutes of Health	CRISPR-CAS-DIRECTED TRANSPOSITION IN TN7-LIKE ELEMENTS	146297	\$1,864,131
Rangarajan, Anu	CALS School of Integrative Plant Science	American Farmland Trust	FUTURO IN AG	165277	\$16,000
Robinson, Richard	Materials Science Engineering	NSF -> NSF Directorate for Mathematical and Physical Sciences	DECIPHERING AND DIRECTING HIERARCHICAL SELF-ASSEMBLY IN HYBRID CHIRAL FILMS	165480	\$588,444
Russell-Anelli, Jonathan	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2023-2024 MASTER LIST OF SOILS	153257	\$6,077
Schaffer, Chris	Biomedical Engineering	The Michael J. Fox Foundation For Parkinson's Research (Through: Weill Cornell Medicine)	-SYNUCLEIN EFFECTS ON GUT BRAIN CIRCUITS AND PRE-MOTOR SYMPTOMS IN PARKINSON'S DISEASE	139374	\$5
Schofield, Heather	Johnson - Sponsored Activity	HHS -> PHS -> NIH -> NIH National Institute on Aging (Through: University of Southern California)	HARMONIZED DIAGNOSTIC ASSESSMENT OF DEMENTIA (DAD) FOR LONGITUDINAL AGING SURVEYS IN INDIA (LASI)	169130	\$157,212
Schuler, Krysten	Public and Ecosystem Health	DOI -> United States Fish and Wildlife Service (Through: Massachusetts Division of Fisheries and Wildlife)	MASSWILDLIFE HEALTH INTERAGENCY TASK FORCE CONTRACT	166980	\$72,248
Shea, Ashley	Mann Library	USDA -> USDA National Agricultural Statistics Service	DISSEMINATION AND PRESERVATION OF DIGITAL AGRICULTURAL ECONOMIC DATA, STATISTICS AND MARKET INFORMATION ACROSS SEVERAL STATISTICAL AGENCIES IN USDA	146983	\$204,798
Sheehan, Moira	Institute Biotechnology & Life Science	United States Agency for International Development (Through: Kansas State University)	USAID FEED THE FUTURE CLIMATE RESILIENT CEREALS INNOVATION LAB	163115	\$1,998,504
Simpson, Kenneth	Clinical Sciences	Intralix Inc.	MODIFIED ROUTINE PRODUCT TESTING AGREEMENT: INTRALYTX: ISOLATION AND CHARACTERIZATION OF E. COLI STRAINS TO DETERMINE THEIR AIEC PROFILE	169667	\$81,608
Smart, Larry	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: Pennsylvania State University)	OPTIMIZING THE PRODUCTION OF SOILLESS MEDIA FROM IMPROVED SHORT ROTATION WILLOW VARIETIES AS A PEAT ALTERNATIVE (BUDGET #1)	169523	\$50,000
Snover-Clift, Karen	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2023-2024 PLANT DISEASE DIAGNOSTIC SERVICES	169957	\$16,000
Specht, Chelsea	CALS School of Integrative Plant Science	Montgomery Botanical Center	POPULATION GENETICS OF SABAL MINOR	144812	\$35

Stewart-Courtens, Crystal	CALS Cornell Cooperative Extension	USDA -> USDA Agricultural Marketing Service (Through: New York Farm Viability Institute Inc)	INTEGRATING TARPS AND OTHER SOIL HEALTH PRACTICES TO ENHANCE CLIMATE RESILIENCE OF SMALL-SCALE VEGETABLE FARMS	148162	\$65,448
Tidball, Keith	CALS Natural Resources	USDA -> USDA National Institute of Food and Agriculture (Through: Auburn University)	ONEOP FAMILY TRANSITIONS	166751	\$208,000
Wightman, Aaron	CALS Natural Resources	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	DEVELOPING ALTERNATIVE TREE SAP BEVERAGES	168525	\$22,296
Wild, Adam	CALS Natural Resources	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	COOLING MAPLE SAP IN A WARMING CLIMATE	168306	\$22,620
Wilde, Mark	Electrical & Computer Engineering	National Science Foundation	QUANTIFYING AND OPTIMIZING THE PERFORMANCE OF CONTINUOUS-VARIABLE QUANTUM LOGIC OPERATIONS	144780	\$29,999
Xu, Wenfei	City and Regional Planning	Washington Center for Equitable Growth (Through: New York University)	MISSING PIECES IN THE PUZZLE: LEVERAGING UNTAPPED ARCHIVAL DATA TO CONNECT NEW DEAL HOUSING POLICIES TO RACIAL AND SPATIAL INEQUALITY	160177	\$23,000
Zhang, Sheng	Institute Biotechnology & Life Science	HHS -> PHS -> NIH -> NIH National Institute on Aging (Through: Burke Neurological Institute)	MECHANISTIC LINKS BETWEEN THE BENEFITS OF PHARMACOLOGICALLY HIGH THIAMINE (VITAMIN B1) IN ALZHEIMERS DISEASE TO ADVANCED GLYCATION ENDPRODUCTS (AGE)	153758	\$2,860,554