

**Cornell University, Office of Sponsored Programs
Awards Received in April 2024**

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Abbaspourrad, Alireza	CALS Food Science	Dairy Management Inc	PROVIDE SCALE-UP SUPPORT FOR LACTOFERRIN AND TRYPTOPHAN FORMULATIONS (PHASE III)	171017	\$141,200
Abbott, Nicholas	Chemical & Biomolecular Engineering	NSF -> NSF Directorate for Engineering	COLLABORATIVE RESEARCH: MANUFACTURING OF POLYMER NANOFIBER ARRAYS ON SURFACES BY CHEMICAL VAPOR DEPOSITION INTO LIQUID CRYSTAL TEMPLATES	153091	\$400,000
Artzi, Yoav	Tech Research	National Science Foundation (Through: NSF -> NSF Directorate for Computer and Information Science and Engineering)	CAREER: SCALABLE LEARNING AND MODELS FOR MAPPING INSTRUCTIONS TO ACTIONS	83871	\$10,000
Bass, Daniel	South Asia Program	United States Department of State (Through: Institute of International Education Inc)	IIE-SRF FELLOWSHIP	158933	\$25,000
Bhattacharjee, Tapomayukh	Computer Science	NSF -> NSF Directorate for Computer and Information Science and Engineering	CAREER: NOT ALL COLLISIONS ARE BAD: LEVERAGING PHYSICAL INTERACTIONS TOWARDS USER-EMPOWERED ROBOTIC CAREGIVING	144956	\$20,000
Bhattacharjee, Tapomayukh	Computer Science	TOYOTA -> Toyota Research Institute Inc	LEVERAGING ASSISTIVE DEVICES AND MOBILE MANIPULATION TO ENABLE CARE RECEIVERS SENSE OF AGENCY IN A TRANSFER ACTIVITY OF DAILY LIVING	171309	\$626,510
Bilinski, Cheryl	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets	CORNELL FARM TO SCHOOL COORDINATORS PROGRAM 2024	169340	\$680,000
Bunting-Howarth, Katherine	CALS Sea Grant	US DOC -> NOAA -> Illinois-Indiana Sea Grant College Program (Through: Purdue University)	NYSG PFAS EXTENSION SUPPORT FOR FROM AWARENESS TO ACTION: ASSESSING PFAS EXPOSURE IN COMMUNITIES AND EVALUATING THE EFFECTIVENESS OF ITS MITIGATION STRATEGIES	169315	\$10,000
Caddy, Sarah	Baker Institute	Bill and Melinda Gates Foundation (Through: PATH)	EVALUATING POTENTIAL CORRELATES OF PROTECTION FOR ROTAVIRUS VACCINATION	165311	\$190,645
Cha, Judy	Materials Science Engineering	NSF -> NSF Directorate for Technology, Innovation and Partnerships (Through: Massachusetts Institute of Technology)	NSF CONVERGENCE ACCELERATOR TRACK I: ADVANCING SUSTAINABLE TOPOLOGICAL MATERIAL PROTOTYPE DEVICES FOR ENERGY-EFFICIENT APPLICATIONS	165184	\$480,000
Cowen, Edwin (Todd)	Civil & Environmental Engineering	CALIFORNIA -> California Department Of Water Resources (Through: Environmental Science Associates)	HYDRODYNAMICS AND WATER QUALITY OBSERVATIONS AND ANALYSIS	169290	\$166,821
Daniel, Susan	Chemical & Biomolecular Engineering	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	DESIGNING ADDRESSABLE PROTEOLIPOSOMES BY USING VIRAL TRANSMEMBRANE PROTEINS AND BIOMIMETIC CELL-FREE SYNTHESIS TECHNIQUES	163490	\$215,064
Deitcher, David	Neurobiology and Behavior	HHS -> PHS -> NIH -> NIH National Institute of Neurological Disorders and Stroke (Through: University of Pittsburgh)	COMPARTMENTAL, RHYTHMIC AND PLASTIC NEUROPEPTIDE RELEASE	138982	\$3,247

Ellis, Kevin	Computer Science	NSF -> NSF Directorate for Computer and Information Science and Engineering	CAREER: SYMBOLIC LEARNING WITH NEURAL LANGUAGE MODELS	162949	\$600,000
Elvinger, Francois	Animal Health Diagnostic Center	USDA -> USDA Animal and Plant Health Inspection Service (Through: NYS -> New York State Department of Agriculture and Markets)	AVIAN INFLUENZA SURVEILLANCE TESTING (LPAI) CONTRACT YEAR 4/1/23 - 3/31/24	157998	\$210,441
Falco, Gregory Field, Martha	Mechanical & Aerospace Engineering Nutritional Sciences	Sandia National Laboratories HHS -> PHS -> NIH -> NIH National Heart, Lung, and Blood Institute (Through: The University of Utah)	MISSION-AWARE CYBER SAFE MODE FOR HOSTED PAYLOADS METABOLIC IMPACT AND MECHANISM OF ENHANCED MITOCHONDRIAL CALCIUM UPTAKE IN MITOCHONDRIAL CARDIOMYOPATHIES	160638 147446	\$249,735 \$135,616
Fors, Brett	Chemistry and Chemical Biology	National Science Foundation (Through: Regents of the University of Minnesota)	NSF CENTER FOR SUSTAINABLE POLYMERS	91585	\$25,143
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	169486	\$150,000
Gadikota, Greeshma	Civil & Environmental Engineering	DOE -> DOE Office of Energy Efficiency and Renewable Energy	ACCELERATED DECARBONIZATION OF CEMENT VIA INTEGRATED CO2 CAPTURE AND MINERALIZATION TO PRODUCE HIGH STRENGTH CONSTRUCTION MATERIALS	147739	\$2,350,000
Gilbert, Martin	Population Medicine & Diagnostic Science	Wildlife Conservation Network	INVESTIGATING THE CAUSE OF ELEVATED MORTALITIES AFFECTING GREATER ONE-HORNED RHINOS IN CHITWAN NATIONAL PARK IN NEPAL	172449	\$49,981
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	\$100,858
Hariharan, Bharath	Computer Science	NSF -> NSF Directorate for Computer and Information Science and Engineering	CAREER : BOOTSTRAPPING RECOGNITION FROM LITTLE DATA IN NEW DOMAINS	141034	\$20,000
Harvell, Drew	CALS Ecology & Evolutionary Biology	NSF -> NSF Directorate for Geosciences	TRANSMISSION PATHWAYS OF SEAGRASS WASTING DISEASE IN COASTAL MEADOWS	138228	\$50,999
Hassani, Mostafa	Mechanical & Aerospace Engineering	National Science Foundation (Through: NSF -> NSF Directorate for Engineering)	COLLABORATIVE RESEARCH: SOLID-STATE ADDITIVE MANUFACTURING OF METAL MATRIX COMPOSITES VIA COLD SPRAY	149592	\$360,000
Hayes, Alexander	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: JHU -> The Johns Hopkins University Applied Physics Laboratory LLC)	DRAGONFLY, PHASE B	149511	\$42,238
Howarth, Robert	CALS Ecology & Evolutionary Biology	Park Foundation Inc	THE METHANE PROJECT AT CORNELL: EVALUATING & COMMUNICATING HOW METHANE EMISSIONS FROM SHALE GAS & BLUE HYDROGEN CONTRIBUTE TO CLIMATE DISRUPTION	170684	\$140,000
Hu, Fenghua	Weill Institute	HHS -> PHS -> NIH -> NIH National Institute of Neurological Disorders and Stroke	FUNCTION OF TMEM106B IN NEURODEGENERATION	92890	\$49,711

Hu, Fenghua	Weill Institute	HHS -> PHS -> NIH -> NIH National Institute of Neurological Disorders and Stroke	LYSOSOMAL FUNCTION OF PROGRANULIN AND NEURODEGENERATION	140978	\$57,644
Ivanek Miojevic, Renata	Population Medicine & Diagnostic Science	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	CORNELL UNIVERSITY COMBINED DVM-PHD MEDICAL SCIENTIST TRAINING PROGRAM (MSTP)	146646	\$116,107
Jung, Sunghwan	CALS Biological & Environmental Engr	National Science Foundation (Through: NSF -> NSF Directorate for Engineering)	COLLABORATIVE RESEARCH: THE INTERPLAY OF WATER CONDENSATION AND FUNGAL GROWTH ON BIOLOGICAL SURFACES	167394	\$304,038
Kalra, Vibha	Chemical & Biomolecular Engineering	NSF -> NSF Directorate for Engineering	GOAL: DEVELOPMENT OF NEXT GENERATION LI-S BATTERIES WITH PRACTICAL OPERATING TEMPERATURES	171537	\$321,635
Khatchadourian, Lori	Classics	Rust Family Foundation	SOCIAL LANDSCAPES IN EASTERN GEORGIA DURING THE MID-FIRST MILLENNIUM BCE	170656	\$7,419
Kleinberg, Robert	Computer Science	NSF -> NSF Directorate for Computer and Information Science and Engineering	COLLABORATIVE RESEARCH: AF: MEDIUM: FOUNDATIONS OF OBLIVIOUS RECONFIGURABLE NETWORKS	167026	\$800,000
Klinck, Holger	CALS Lab of O - K. Lisa Yang Center	DOD -> DOD US NAVY -> Naval Facilities Engineering Command (Through: HDR -> HDR Environmental Operations and Construction Inc)	ANNUAL PROGRAM REVIEW MEETING FOR MARINE SPECIES MONITORING FY24	173039	\$10,277
Kuruvilla, Sarosh	Scheinman Institute	Deutsche Gesellschaft fur Internationale Zusammenarbeit GmbH	BUYER PURCHASING PRACTICES AND SUPPLIER FACTORY WAGES AND WORKING CONDITIONS IN APPAREL AND FOOTWEAR SUPPLY CHAINS	147666	\$213,535
Lal, Amit	Electrical & Computer Engineering	DOD -> DOD US AF -> Air Force Research Laboratory (Through: SEMI-FlexTech)	MINIMUM VIABLE VIRTUAL FAB FOR ACCELERATED INNOVATION OF SEMICONDUCTOR MANUFACTURING PROCESSES AND FUTURE DEVICES	163992	\$462,376
Lee, Esak	Biomedical Engineering	NSF -> NSF Directorate for Engineering	CAREER: CANCER-ASSOCIATED SECONDARY LYMPHEDEMA ON-CHIP	159146	\$600,000
Lehmann, Johannes	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: Regents of the University of Minnesota)	THEME 3: AG-FORESTRY-AI (AGFOAI): AI INSTITUTE FOR AGRICULTURE AND FOREST MITIGATION AND ADAPTATION TO CLIMATE CHANGE	144263	\$14,000
Leuenberger, Christine	Science and Technology Studies	NSF -> NSF Directorate for Social, Behavioral and Economic Sciences	IPA-PROGRAM DIRECTORSHIP FOR SCIENCE AND TECHNOLOGY STUDIES	146001	\$38,030
Lodi, Andrea	JTC Research	United States Department of Energy (Through: Optimal Solutions Inc)	NOVEL BRANCH & BOUND TREE MANAGEMENT FOR FAST CONVERGENCE OF MIPS ON PARALLEL COMPUTERS	167560	\$50,000
Lunine, Jonathan	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: Association of Universities for Research in Astronomy)	GALACTIC WINDS UNVEILED: LEVERAGING CLOUD SIMULATIONS WITH RADIATIVE TRANSFER TO CONSTRAIN FEEDBACK	167380	\$21,251
Marschner, Stephen	Computer Science	NSF -> NSF Directorate for Computer and Information Science and Engineering	COLLABORATIVE RESEARCH: HCC: MEDIUM: NEURAL MATERIALS FOR REALISTIC COMPUTER GRAPHICS	142479	\$20,000
Mazourek, Michael	CALS School of Integrative Plant Science	USDA -> USDA ARS -> USDA Agricultural Research Service Midwest Northeast Area	ACQUISITION OF GOODS AND SERVICES	173992	\$66,081

McGeachy, Mandy	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases	IL-17 REGULATION OF TYPE-1 IMMUNITY IN CHRONIC VIRAL INFECTION	147193	\$229,551
Moses, Jeffrey	Applied & Engineering Physics	United States Department of Energy (Through: Opto-Knowledge Systems, Inc.)	HYBRIDIZED PARAMETRIC AMPLIFICATION (HPA) FOR ADVANCED ACCELERATOR APPLICATIONS	167607	\$100,000
Nault, Brian	CALS Entomology	New York Vegetable Research Association Inc	2024 NY VEG - IMPROVING MANAGEMENT OF MAJOR INSECT PESTS OF SWEET CORN AND SNAP BEAN	172108	\$33,991
Nault, Brian	CALS Entomology	USDA -> USDA National Institute of Food and Agriculture (Through: USMD -> University of Maryland Eastern Shore)	IR4 NORTHEAST REGION MINOR CROP PEST MANAGEMENT PROGRAM	171267	\$5,555
Nelson, Rebecca	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	CIRCULAR SOIL FOR CITY SPACES: ADVANCING THE CIRCULAR BIONUTRIENT ECONOMY TO SUPPORT URBAN AND PERI-URBAN GARDENERS	146674	\$25,000
Nydam, Daryl	Public and Ecosystem Health	CH Boehringer -> BOEH INGENEL -> Boehringer Ingelheim Vetmedica Inc	RANDOMIZED CLINICAL TRIAL EVALUATING THE EFFECT OF THE ADMINISTRATION OF BOVICALC DRY ON HEALTH, PERFORMANCE, AND BEHAVIOR OF DAIRY COWS FOLLOWING SELECTIVE DRY COW THERAPY (SDCT)	144778	\$129,418
Parker, John	Baker Institute	Burroughs Wellcome Fund	2024 BURROUGHS WELLCOME FUND BECOMING FACULTY WORKSHOP	173067	\$15,000
Peeva, Irena	Mathematics	NSF -> NSF Directorate for Mathematical and Physical Sciences	FREE RESOLUTIONS	166779	\$350,000
Pennycook, Gordon	Psychology	Charles Koch Foundation (Through: University of Pennsylvania)	INCENTIVIZING ADVERSARIAL COLLABORATIONS TO DECREASE CENSORSHIP, PROMOTE OPENNESS TO DIVERSE PERSPECTIVES, AND REDUCE AFFECTIVE AND VIEWPOINT POLARIZATION IN HIGHER EDUCATION	170875	\$20,000
Pethybridge, Sarah	CALS School of Integrative Plant Science	New York Vegetable Research Association Inc	2024 NY VEG - DEVELOPMENT OF A PREPAREDNESS STRATEGY FOR TAR SPOT OF PROCESSING SWEET CORN IN NY (PHASE 2)	171379	\$13,942
Pethybridge, Sarah	CALS School of Integrative Plant Science	New York Vegetable Research Association Inc	2024 NY VEG - TOWARDS A DURABLE MANAGEMENT STRATEGY FOR FOLIAR DISEASES OF PROCESSING CARROTS IN NY: PHASE 2	170872	\$13,759
Rahm, Brian	CALS Biological & Environmental Engr	DOI -> United States Geological Survey	OPTIMIZING MULTI-USE WATER MANAGEMENT DECISIONS UNDER GLOBAL CHANGE USING INTEGRATED HYDROLOGIC MODELS	168484	\$499,000
Reiners, Steve	CALS School of Integrative Plant Science	New York Vegetable Research Association Inc	2024 NY VEG - 2024 CORNELL/NYS PROCESSING ENGLISH PEA, SNAP BEAN AND SWEET CORN CULTIVAR TRIALS	172127	\$60,594
Rivera, Monique	CALS Entomology	USDA -> USDA National Institute of Food and Agriculture (Through: USDA -> USDA ARS -> USDA Agricultural Research Service Midwest Northeast Area)	THERAPEUTIC MOLECULE EVALUATION AND FIELD DELIVERY PIPELINE FOR SOLUTIONS TO HLB	146103	\$466,620
Robbins, Kelly	CALS School of Integrative Plant Science	NUTRIEN -> Nutrien Ag Solutions (Canada) Inc	IMPLEMENTATION OF GENOMIC SELECTION (GS) IN CANADIAN AND AUSTRALIAN BREEDING PROGRAMS	172200	\$103,147
Ruiz, Antonio	Neurobiology and Behavior	The Pershing Square Foundation	RESTORATION OF PATHOLOGICAL NEURAL DYNAMICS TO IMPROVE COGNITION IN ALZHEIMERS DISEASE	172911	\$750,000
Schlom, Darrell	Materials Science Engineering	DOD -> DOD US AF -> Air Force Office of Scientific Research	THERMAL LASER EPITAXY TO UNLEASH ELECTRONIC-GRADE CUBIC BORON NITRIDE FILMS	161158	\$1,995,211

Schmidt, Britney	Center Astrophysics-Planetary Science	Heising-Simons Foundation	ASTROBIOLOGY GRADUATE CONFERENCE 2024 (ABGRADCON)	172986	\$40,000
Schmit, Todd	Dyson - Sponsored Activity	USDA -> USDA Agricultural Marketing Service (Through: NYS - > New York State Department of Agriculture and Markets)	CORNELL RESILIENT FOOD SYSTEM INFRASTRUCTURE PROGRAM (GX)	173215	\$250,000
Shepherd, Robert	Mechanical & Aerospace Engineering	National Renewable Energy Laboratory	SOFT ENERGY	170575	\$15,000
Smart, Chris	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: USDA -> USDA ARS -> USDA Agricultural Research Service Midwest Northeast Area)	EVALUATION AND BREEDING OF DIVERSE HEMP GERMPLASM FOR DISEASE RESISTANCE	159396	\$212,151
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 #2)	169524	\$125,000
Snavelly, Noah	Tech Research	NSF -> NSF Directorate for Computer and Information Science and Engineering	COLLABORATIVE RESEARCH: RI: MEDIUM: LEARNING COMPOSITIONAL IMPLICIT REPRESENTATIONS FOR 3D SCENE UNDERSTANDING	142583	\$10,000
Sosnoskie, Lynn	CALS School of Integrative Plant Science	New York Vegetable Research Association Inc	2024 NY VEG - WEED CONTROL RESEARCH IN VEGETABLES	172020	\$19,432
Steenhuis, Tamme	CALS Biological & Environmental Engr	NYS -> New York State Department of Environmental Conservation	WATER QUALITY MONITORING FOR PESTICIDES IN UPSTATE NEW YORK	136274	\$247,433
Stroock, Abraham	Chemical & Biomolecular Engineering	NSF -> NSF Directorate for Mathematical and Physical Sciences	NSF-ANR MCB/PHY: ELUCIDATING PLANT VASCULAR FUNCTION AND DYNAMICS IN PLANTA AND ON CHIP	169285	\$250,000
Tian, Zhiting	Mechanical & Aerospace Engineering	United States Department of Energy (Through: Washington University in St. Louis)	UPGRADING BIOGAS THROUGH IN SITU CONVERSION OF CARBON DIOXIDE TO BIOMETHANE IN ANAEROBIC DIGESTERS	140361	\$1
Travis, Alexander	Public and Ecosystem Health	NYS -> New York State Division of Homeland Security and Emergency Services	NYS DHSES - TRAINING CURRICULUM DEVELOPMENT ACROSS NEW YORK STATE	169530	\$10,738
Trmcic, Aljosa	CALS Food Science	USDA -> USDA Agricultural Marketing Service (Through: Vermont Agency of Agriculture Food and Markets)	SMALL AND MEDIUM DAIRY PROCESSOR COHORT ENVIRONMENTAL MONITORING ASSISTANCE PROJECT	168996	\$150,000
Tschida, Katherine	Psychology	HHS -> PHS -> NIH -> NIH National Institute of Mental Health	NEURAL CIRCUITS FOR CONTEXT-DEPENDENT CONTROL OF VOCAL COMMUNICATION	161583	\$1,958,124
Tufan, Hale	CALS School of Integrative Plant Science	CGIAR -> Centro Internacional de Mejoramiento de Maiz y Trigo (Through: International Institute of Tropical Agriculture Inc)	RTB BREEDING INVESTMENT-YEAR 1	167790	\$667,453
Vilhuber, Lars	Labor Economics	NSF -> NSF Directorate for Computer and Information Science and Engineering	COLLABORATIVE RESEARCH: ELEMENTS: TRANSPARENCY CERTIFIED (TRACE): TRUSTING COMPUTATIONAL RESEARCH WITHOUT REPEATING IT	142489	\$16,000

Vogel, Gregory	CALS School of Integrative Plant Science	California Tomato Research Institute	LEVERAGING GERMLASM RESOURCES FOR GENETIC DISCOVERY AND DEPLOYMENT OF SALT STRESS RESILIENCE	168604	\$23,475
Warden, Melissa	CALS Neurobiology & Behavior	HHS -> PHS -> NIH -> NIH National Institute on Drug Abuse	NEURAL CIRCUIT REGULATION OF RAMPING ACTIVITY IN DOPAMINE NEURONS	138236	\$34,616
Whitmore, Mark	CALS Natural Resources	The Nature Conservancy Inc	TREE SPECIES IN PERIL: AMERICAN BEECH, EASTERN HEMLOCK, AND THREE EASTERN ASH SPECIES	171522	\$81,208
Wittich, Peter	Cornell Lab Accelerator Sciences & Ed	National Science Foundation (Through: Princeton University)	S212: INSTITUTE FOR RESEARCH AND INNOVATION IN SOFTWARE FOR HIGH ENERGY PHYSICS (IRIS-HEP)	153877	\$18,548
Wu, Mingming	CALS Biological & Environmental Engr	HHS -> PHS -> NIH -> NIH National Cancer Institute	MICROFLUIDIC PLATFORM FOR SOLID TUMOR MECHANICS AND INVASION	138947	\$18,491
Xu, Chris	Applied & Engineering Physics	HHS -> PHS -> NIH -> NIH National Cancer Institute	UNDERSTANDING THE IN VIVO IMPACT OF IMMUNOTHERAPIES IN SPLENIC LYMPHOMA BY INTRAVITAL THREE-PHOTON MICROSCOPY	143089	\$9,745
Yang, Rong	Chemical & Biomolecular Engineering	The Hartwell Foundation	TREATMENT OF MIDDLE EAR INFECTION VIA NATIVE NEUTROPHIL-MEDIATED DRUG DELIVERY TO MINIMIZE ANTIBIOTIC EXPOSURE	163897	\$300,000
Zabih, Ramin	Tech Research	The Computer Vision Foundation Inc	COMPUTER VISION FOUNDATION	170502	\$76,341
Zhang, Cheng	Information Science	NSF -> NSF Directorate for Computer and Information Science and Engineering	CAREER: TOWARDS SENSING AND UNDERSTANDING FINE-GRAINED BODY POSTURES IN DAILY LIFE USING INTELLIGENT WEARABLES WITH ACOUSTIC SENSING	144908	\$20,000
Zhang, Xue	City and Regional Planning	HHS -> PHS -> National Institutes of Health (Through: Pennsylvania State University)	ASSOCIATION BETWEEN SOCIAL VULNERABILITY AND DRUG POISONING, SUICIDE, AND ALCOHOL INDUCED DEATHS AMONG WORKING AGE ADULTS IN RURAL AMERICA	171978	\$5,607