

**Cornell University, Office of Sponsored Programs**  
**Awards Received in April 2025**

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Abers, Geoffrey	Earth & Atmospheric Sciences	NSF -> NSF Directorate for Geosciences	COLLABORATIVE RESEARCH: INVESTIGATING INTRAPLATE MELTING PROCESSES IN NORTHWEST NEW ZEALAND WITH SEISMIC IMAGING	145811	\$25,912
Afridi, Khurram	Electrical & Computer Engineering	DOD -> DOD Defense Advanced Research Project Agency (Through: BAE Systems Inc)	MULTIPHYSICAL LEVITATION FOR PRECISION SENSING AND POSITIONING	171274	\$45,000
Barcheck, Grace	Earth & Atmospheric Sciences	National Science Foundation (Through: NSF -> NSF Directorate for Geosciences)	COLLABORATIVE RESEARCH: DATA- AND MODEL-DRIVEN OPTIMIZATION OF THE SZ4D MULTIARRAY: AN ON-SHORE/OFFSHORE NETWORK FOR INTEGRATED OBSERVATIONS OF SUBDUCTION ZONE GEOHAZARDS	174210	\$42,279
Barker, Sara	CALS Lab of O - Ctr Avian Studies	Park Foundation Inc	BUILDING CAPACITY TO AMPLIFY AND SCALE BIRD FRIENDLY GRASSLAND AND FORESTRY PRACTICES WITH NORTHEAST PARTNERS	181521	\$40,000
Bates, Terry	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: Washington State University)	HIGH-RESOLUTION VINEYARD NUTRIENT MANAGEMENT	92583	\$57,800
Bean, Rachel	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: CALTECH -> Jet Propulsion Laboratory)	MAXIMIZING COSMOLOGICAL SCIENCE WITH THE ROMAN HIGH LATITUDE IMAGING SURVEY	183734	\$119,842
Bento, Ana	Public and Ecosystem Health	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences (Through: University of Pittsburgh)	MIDAS COORDINATION CENTER - YEAR 6-10	184118	\$129,127
Boor, Kathryn	Graduate School Financial Aid	NSF -> NSF Directorate for STEM Education	GRADUATE RESEARCH FELLOWSHIP PROGRAM (GRFP)	141748	\$36,488
Campbell, Donald	Center Astrophysics-Planetary Science	National Science Foundation (Through: Brigham Young University)	ALPACA: ADVANCED CRYOGENIC L-BAND PHASED ARRAY CAMERA FOR THE ARECIBO RADIO TELESCOPE	77853	\$18,000
Dando, Robin	CALS Food Science	Nongshim Co Ltd HOLD -> Nongshim Co Ltd (Through: The Board of Trustees of the University of Arkansas)	KOREAN SNACKS CLT	185633	\$5,809
De Vlaminc, Iwijn	Biomedical Engineering	National Aeronautics and Space Administration (Through: Joan and Sanford I Weill Medical College of Cornell University)	THE IMPACT OF SPACEFLIGHT AND RADIATION ON CLONAL HEMATOPOIESIS	93229	\$8,200
Dean, Sarah	Computer Science	Schmidt Science Fellows	FOUNDATIONS OF MONITORING AI SYSTEMS FOR LONG-TERM IMPACTS AND INFLUENCE	181919	\$365,910
Dean, Sarah	Computer Science	NSF -> NSF Directorate for Computer and Information Science and Engineering	CAREER: TOWARDS RELIABLE MACHINE LEARNING IN FEEDBACK SYSTEMS	175695	\$602,549

Duplais, Christophe	CALS Entomology	American Beekeeping Federation	INCUBATOR AND EPPENDORF REPEATER FOR BIOASSAYS EVALUATING A NOVEL POTENTIAL VARROA MITE MANAGEMENT TOOL AT CORNELL AGRITECH, GENEVA, NY, USA	180433	\$7,500
Fox, Elizabeth	Public and Ecosystem Health	HHS -> PHS -> NIH -> NIH Eunice Kennedy Shriver National Institute of Child Health and Human Development (Through: Rutgers The State University of New Jersey)	PRIORITIZING FOOD SYSTEMS INTERVENTIONS TO REDUCE ADOLESCENTS NUTRITION INSECURITY AND MALNUTRITION IN LOW-INCOME SETTINGS	167490	\$201,406
Goldfarb, Jillian	Chemical & Biomolecular Engineering	USDA -> USDA National Institute of Food and Agriculture (Through: Pennsylvania State University)	COUPLING HYDROTHERMAL LIQUEFACTION AND SYNTHETIC BIOLOGY TO UPCYCLE FUGITIVE CARBON	182239	\$60,000
Gomes, Carla	Computer Science	Schmidt Science Fellows	GOMES-AI2050 SENIOR FELLOWSHIP	178421	\$1,000,000
Goodman, Laura	Baker Institute	Morris Animal Foundation	LAB DETECTION AND CHARACTERIZATION OF CANINE DISTEMPER VIRUS (CDV) IN FREE-RANGING WILD AND DOMESTIC SPECIES COHABITING A HIGH-DENSITY URBAN AREA AND DEVELOPMENT OF A FIELD-ADAPTABLE VIRAL SEQUENCING	181920	\$5,500
Guidi, Giulia	Computer Science	NSF -> NSF Directorate for Computer and Information Science and Engineering	ACED: FAST AND SCALABLE WHOLE GENOME ANALYSIS ON EMERGING HARDWARE TECHNOLOGIES	172697	\$500,000
Ichikawa, Saki	Molecular Medicine	Uehara Memorial Foundation	THE UEHARA MEMORIAL FOUNDATION - KAN UJIE SUPPORT	182920	\$34,600
Ju, Wendy	JTC Research	National Science Foundation (Through: NSF -> NSF Directorate for Engineering)	COLLABORATIVE RESEARCH: CONFERENCE: WORKSHOP ON FORMALIZATION OF HUMAN FACTORS INTO COMPUTATIONAL MODELS	183496	\$33,872
Klinck, Holger	CALS Lab of O - K. Lisa Yang Center	Reed & Reed Inc (Through: University of Maine)	ACOUSTIC MONITORING DURING BRIDGE PILE DRILLING IN OLD TOWN, MAINE	185129	\$10,185
Knepper, Richard	Center for Advanced Computing	NSF -> NSF Directorate for Computer and Information Science and Engineering	CYBERTRAINING: PILOT: HPC ED: BUILDING A FEDERATED REPOSITORY AND INCREASING ACCESS THROUGH CYBERTRAINING	147692	\$59,999
Kwan, Alex	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Institute on Drug Abuse	NEURAL MECHANISMS OF PSILOCYBIN ACTION IN THE FRONTAL CORTEX	172636	\$229,932
Lambert, Tristan	Chemistry and Chemical Biology	Bill and Melinda Gates Foundation	ELECTROCHEM EVALUATION OF TB AND MALARIA APIS	184190	\$450,000
Lewis, Nikole	Center Astrophysics-Planetary Science	NSF -> NSF Directorate for Mathematical and Physical Sciences	CONFERENCE: IDENTIFYING AND BRIDGING GAPS IN LABORATORY ASTROPHYSICS	180873	\$53,925
Lin, Hening	Chemistry and Chemical Biology	HHS -> PHS -> NIH -> NIH National Institute of Diabetes and Digestive and Kidney Diseases (Through: Virginia Commonwealth University)	THE ROLE OF AEG-1 IN NASH AND NASH-HCC	140511	\$3,733
Liu, Xiaomeng	Lab. of Atomic & Solid State Physics	NSF -> NSF Directorate for Mathematical and Physical Sciences	CAREER: VISUALIZING AND MANIPULATING ANYONS IN 2D TOPOLOGICAL MATTER WITH SCANNING TUNNELING MICROSCOPY	176373	\$934,284

Luo, Yiqi	CALS School of Integrative Plant Science	NSF -> NSF Directorate for Biological Sciences (Through: Northern Arizona University)	INTERACTING IMPACTS OF CHANGES IN MEAN AND VARIANCE OF WATER AVAILABILITY ON VEGETATION PHENOLOGY AND PRODUCTIVITY IN DRYLAND ECOSYSTEMS	183652	\$50,000
Luo, Yiqi	CALS School of Integrative Plant Science	NSF -> NSF Directorate for Biological Sciences (Through: University of New Mexico)	LTER: SEVILLETA SITE: ENVIRONMENTAL VARIABILITY AT DRYLAND ECOTONES	172474	\$582,232
McFadden, Joseph	CALS Animal Science	Lumen Bioscience Inc	EFFECTS OF ORALLY ADMINISTERED SPIRULINA METHANOLYSINS ON MILK PRODUCTION, ENERGY UTILIZATION, RUMEN BACTERIAL COMPOSITION, AND ENTERIC GREENHOUSE GAS EMISSIONS IN LACTATING DAIRY CATTLE	183378	\$622,913
Muller, David	Applied & Engineering Physics	United States Department of Energy (Through: SYDOR -> Sydor Instruments LLC)	A FAST DETECTOR FOR DOSE EFFICIENT SCANNING TRANSMISSION ELECTRON MICROSCOPY OF THICK SAMPLE BIOLOGICAL AND ENVIRONMENTAL SYSTEMS	179328	\$75,000
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	182254	\$13,332
Nault, Brian	CALS Entomology	New York Vegetable Research Association Inc	2025 NY VEG - IMPROVING MANAGEMENT OF MAJOR INSECT PESTS OF SWEET CORN AND SNAP BEAN	183260	\$33,991
Nydam, Daryl	Office of the Dean	NYS -> New York State Energy Research and Development Authority (Through: Energy Vision)	ANAEROBIC DIGESTER PROJECT	182569	\$789,400
Nydam, Daryl	Office of the Dean	NYS -> New York State Energy Research and Development Authority (Through: Energy Vision)	ANAEROBIC DIGESTER PROJECT	182569	\$9,000
Olmstead, Todd	Public and Ecosystem Health	HHS -> PHS -> NIH -> NIH National Heart, Lung, and Blood Institute (Through: BAYSTATE HEALTH -> Baystate Medical Center Inc)	IMPLEMENTING EFFECTIVE SMOKING CESSATION PHARMACOTHERAPY FOR HOSPITALIZED SMOKERS WITH CARDIOPULMONARY DISEASE	179602	\$71,731
Olmstead, Todd	Public and Ecosystem Health	HHS -> PHS -> NIH -> NIH National Institute of Mental Health (Through: UMASS -> University of Massachusetts Amherst)	SUPPORTING TREATMENT ACCESS AND RECOVERY FOR CO-OCCURRING OPIOID AND MENTAL HEALTH DISORDERS (STAR-COD)	178268	\$46,908
Pawlowski, Wojtek	CALS School of Integrative Plant Science	Meiogenix	DEVELOPMENT OF METHODS TO CONTROL RECOMBINATION IN MAIZE	89254	\$182,048
Pethybridge, Sarah	CALS School of Integrative Plant Science	New York Vegetable Research Association Inc	2025 NY VEG - SUSCEPTIBILITY OF SWEET CORN VARIETIES TO FOLIAR DISEASES	182799	\$13,900
Pethybridge, Sarah	CALS School of Integrative Plant Science	New York Vegetable Research Association Inc	2025 NY VEG - INTEGRATING THE FUNGICIDE, CEVYA, INTO MANAGEMENT PROGRAMS FOR FOLIAR HEALTH OF TABLE BEET IN NEW YORK	182760	\$13,780
Preszler, Trent	College Academic Activity - Contract	Henry David Thoreau Foundation	THOREAU PLANETARY SOLUTIONS INITIATIVE, YEAR 2: REFINING THE PILOT MODEL TO TRAIN ENVIRONMENTAL LEADERS FOR CAREERS IN SUSTAINABLE BUSINESS	183737	\$40,000
Ramshaw, Brad	Lab. of Atomic & Solid State Physics	DOD -> DOD US AF -> Air Force Office of Scientific Research	PHONON BERRY CURVATURE IN QUANTUM MATERIALS	153276	\$93,975

Rangarajan, Anu	CALS School of Integrative Plant Science	USDA -> USDA Office of Partnerships and Public Engagement (Through: Khuba International)	AGRICULTURAL BUSINESS AND PRODUCTION RESOURCING, EDUCATION AND NETWORK-BUILDING FOR VETERAN, JUSTICE-IMPACTED, AND MINORITIZED COMMUNITY MEMBERS: GROWING SUSTAINABLE FARMS	176542	\$105,001
Reiners, Steve	CALS School of Integrative Plant Science	New York Vegetable Research Association Inc	2025 NY VEG - 2025 CORNELL/NYS PROCESSING ENGLISH PEA, SNAP BEAN, AND SWEET CORN CULTIVAR TRIALS	183251	\$56,300
Riedl, Rachel	Einaudi Center for Intl Studies	Carnegie Corporation of New York (Through: UCAL -> The Regents of the University of California on behalf of its Riverside Campus)	BRIDGING GAPS IN KNOWLEDGE ABOUT AFRICA THROUGH THE UFAHAMU AFRICA PODCAST	142850	\$16,366
Shaw, Kerry	Neurobiology and Behavior	American Genetic Association	THE GENOMIC LANDSCAPE OF A RAPID, NON-ADAPTIVE RADIATION IN HAWAIIAN LAUPALA CRICKETS	185293	\$5,944
Simpson, Kenneth	Clinical Sciences	Intralaytix Inc.	MODIFIED ROUTINE PRODUCT TESTING AGREEMENT: INTRALYTIX: ISOLATION AND CHARACTERIZATION OF E. COLI STRAINS TO DETERMINE THEIR AIEC PROFILE	169667	\$8,246
Sosnoskie, Lynn	CALS School of Integrative Plant Science	New York Vegetable Research Association Inc	2025 NY VEG - WEED CONTROL RESEARCH IN PROCESSING VEGETABLES: MAKING THE MOST OF WHAT WE HAVE AND EXPLORING NEW TECHNOLOGY	183200	\$19,392
Srivastava, Madhur	Chemistry and Chemical Biology	NSF -> NSF Directorate for Technology, Innovation and Partnerships	MOLECULEDETECT: IDENTIFICATION OF UNKNOWN INGREDIENTS IN A MOLECULAR MIXTURE	179041	\$50,000
Steinschneider, Scott	CALS Biological & Environmental Engr	NYC -> New York City Department of Environmental Protection	REGIONAL-SCALE NUTRIENT ASSESSMENT FOR THE NYC WATER SUPPLY WATERSHEDS STUDY	173230	\$319,000
Strong, Alexandra	Chemical & Biomolecular Engineering	NSF -> NSF Directorate for Engineering	CAREER: OVERCOMING PEDAGOGICAL INERTIA: AMPLIFYING THE COURSE TRANSFORMATION NARRATIVES OF ENGINEERING EDUCATION'S POSITIVE DEVIANTS	177781	\$603,930
Sun, Qi	Institute Biotechnology & Life Science	USDA -> USDA National Institute of Food and Agriculture (Through: The Board of Trustees of the University of Arkansas)	THROUGH THE GRAPEVINE: DEVELOPING VITIS X MUSCADINIA WIDE HYBRIDS FOR ENHANCED DISEASE RESISTANCE AND QUALITY	172881	\$353,659
Sun, Wen	Computer Science	DOD -> DOD US NAVY -> Office of Naval Research	REINFORCEMENT LEARNING FOR GENERATIVE MODELS	173178	\$420,000
Sykes, Bryan	Public Policy - Academic	NSF -> NSF Directorate for Social, Behavioral and Economic Sciences	SHADOW COSTS: THE EFFECT OF ECONOMIC AND INFORMATIONAL INEQUALITY ON COURT-ORDER COMPLIANCE	169158	\$429,022
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
Whittaker, Gary	Microbiology and Immunology	EveryCat Health Foundation (Through: Loyola University of Chicago)	EVALUATING EMERGING FELINE CORONAVIRUSES	169788	\$25,000
Wiedmann, Martin	CALS Food Science	Perdue Farms (Through: UIILL -> University of Illinois Urbana-Champaign)	SIMULATION AND MODELLING TO RATIONALLY TARGET SALMONELLA CONTROL STRATEGIES IN PROCESSING PLANTS	176997	\$40,000
Wiedmann, Martin	CALS Food Science	USDA -> USDA Agricultural Marketing Service (Through: UIILL -> University of Illinois Urbana-Champaign)	FLEXIBLE RISK PROCESS MODELS CAN BE USED TO QUANTIFY RESIDUAL RISKS AND THE IMPACT OF INTERVENTIONS ON RESIDUAL RISKS	143223	\$58,972

Zhang, Lenan	Mechanical & Aerospace Engineering	THAILAND -> Electricity Generating Authority of Thailand	HIGH-EFFICIENCY WATER ELECTROLYSIS WITH ENGINEERED GAS DIFFUSION LAYER	180195	\$175,000
Zhang, Lenan	Mechanical & Aerospace Engineering	TOYOTA GRP -> Toyota Central R&D Labs Inc	MECHANISTIC UNDERSTANDING OF BUBBLE DYNAMICS IN CO2 ELECTRODIALYSIS PROCESS	183194	\$161,234