

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

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Alabi, Christopher	Chemical & Biomolecular Engineering	HHS -> PHS -> National Institutes of Health (Through: The Trustees of Columbia University in the City of New York)	FUSION INHIBITORS THAT BLOCK HOST-TO-HOST TRANSMISSION OF SARS-COV-2	139035	\$1
Albertson, John	Civil & Environmental Engineering	DOE -> DOE Advanced Research Projects Agency-Energy (Through: Aerodyne Research Inc)	AUTONOMOUS HYDROGEN EMISSION LOCALIZATION AND QUANTIFICATION	175002	\$676,500
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	180642	\$17,759
Bazarov, Ivan	Cornell Lab Accelerator Sciences & Ed	DOE -> DOE Office of Science	TESTING OF POLARIZED AND UNPOLARIZED PHOTOCATHODES WITH HIGH AVERAGE CURRENT AT THE ENHANCED HERACLES FACILITY AT CORNELL UNIVERSITY	171498	\$464,000
Bonassar, Lawrence	Biomedical Engineering	Pleryon Therapeutics Limited	P001X BOUNDARY MODE LUBRICATION EVOLUTION THROUGH ITS PRECLINICAL DEVELOPMENT	173900	\$77,493
Cazer, Casey	Clinical Sciences	USDA -> USDA Animal and Plant Health Inspection Service	ACTIONABLE ANTIMICROBIAL RESISTANCE DASHBOARDS: ENHANCING INSIGHTS AND VERSATILITY THROUGH IMPROVED PERFORMANCE AND ANALYTICS	173746	\$566,549
Choudhury, Sanjiban	Computer Science	DOD -> DOD US NAVY -> Office of Naval Research	LEARNING LONG-HORIZON DEXTROUS MANIPULATION FROM VISION LANGUAGE DEMONSTRATIONS	174171	\$750,000
Clark, Andrew	Molecular Biology and Genetics	Howard Hughes Medical Institute	MOLECULAR MECHANISMS AND EVOLUTIONARY DRIVING FORCES OF PIRNA INNOVATIONS IN GENE REGULATION	171864	\$414,690
Davis, Courtney	CALS Lab of O - Ctr Avian Studies	DOI -> USGS -> Northeast Climate Adaptation Science Center (Through: UMASS -> University of Massachusetts Amherst)	FORECASTING CHANGES IN AVIAN BIODIVERSITY UNDER CHANGING CLIMATE	164986	\$484,261
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	180480	\$11,564
Enns, Peter	Cornell Center for Social Sciences	Midwest Political Science Association	JOURNAL ARTICLE REPLICATION: AMERICAN JOURNAL OF POLITICAL SCIENCE (2025)	182807	\$19,500
Enns, Peter	Cornell Center for Social Sciences	Midwest Political Science Association	JOURNAL ARTICLE REPLICATION: AMERICAN JOURNAL OF POLITICAL SCIENCE	170534	\$3,500
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
Gallagher, Kelley	CALS Microbiology	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	THE CONTROL OF SPORULATION AND ANTIBIOTIC PRODUCTION THROUGH C-DI-GMP SIGNALING	170505	\$1,915,610
Giannelis, Emmanuel	Materials Science Engineering	DryFiber LLC	DRYFIBER-CORNELL UNIVERSITY COLLABORATIVE PROGRAM	169279	\$245,000

Goggs, Robert	Clinical Sciences	Boditech Med Inc	EVALUATION OF THE BODITECH VET CHROMA CANINE PROCALCITONIN (CPCT) ASSAY IN DOGS WITH SEPSIS	180103	\$21,831
Haji, Maha	Mechanical & Aerospace Engineering	DOE -> DOE National Nuclear Security Administration (Through: HONEYWELL -> NTESS -> Sandia National Laboratories)	DIFFERENTIABLE PROGRAMMING TO ENABLE MODERN OPTIMIZATION AND DATA-DRIVEN METHODS FOR MARINE RENEWABLE ENERGY	163706	\$35,558
Hayes, Alexander	Center Astrophysics-Planetary Science	NASA -> Marshall Space Flight Center (Through: JHU -> The Johns Hopkins University Applied Physics Laboratory LLC)	DRAGONFLY, PHASE A AND B-BRIDGE	88492	\$3,799
Hodgdon, Elisabeth	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	TECHNIQUES FOR OVERWINTERING ONIONS AND IMPROVING ALLIUM PEST MANAGEMENT IN NORTHERN NEW YORK	180641	\$30,000
Huson, Heather	Clinical Sciences	The Farmers Dog	GERIATRIC LONGEVITY AND HEALTH COMPARISON BETWEEN FRESHLY COOKED COMPLETE AND BALANCED FOOD VERSUS COMMERCIAL KIBBLE	161628	\$35,768
Hwang, James	Materials Science Engineering	DOD -> DOD United States Army (Through: Soctera Inc)	RAPID ASSESSMENT OF ALUMINUM NITRIDE PROPERTIES AND APPLICATIONS TOWARDS 4-INCH ALN-BASED MMICS	174653	\$83,304
Judd, Jason	Global Labor Institute	Laudes Foundation	NO MORE SWEAT SHOPS: HOW CAN A HOTTER PLANET HAVE COOLER WORKERS?	176290	\$350,000
Kalantari, Saleh	Human Centered Design	American Psychological Foundation Inc	NAVIGATING OBJECTIVE WORLD: LEVERAGING LLM-BASED EXPERT-IN-THE LOOP CHATBOTS FOR ENHANCING PROSTATE CANCER PATIENT EDUCATION AND PSYCHOLOGICAL ENGAGEMENT	182189	\$10,000
Ketterings, Quirine	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	CULTIVATING SOIL NITROGEN SUPPLY WITH MANURE	180578	\$33,630
Ketterings, Quirine	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	EXAMINING SPATIAL AND TEMPORAL IMPACTS OF TILE DRAINAGE ON CORN YIELD	180576	\$31,860
Ketterings, Quirine	CALS Animal Science	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	WHAT-IF; LINKING DAIRY SUSTAINABILITY METRICS TO PROMOTE, DRIVE AND SUPPORT SUSTAINABILITY	180577	\$28,910
Kim, Jaehee	CALS Computational Biology	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	TREE-BASED POPULATION GENETICS METHODS FOR GENETIC EPIDEMIOLOGY	165230	\$1,807,714
Lammerding, Jan	Weill Institute	Fondation Leducq	PRIORITY: CARDIO-LAMINOPATHY: FROM PATHOMECHANISMS TO PERSONALIZED THERAPY	170702	\$937,500

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 YEAR 2	180658	\$15,895
Leal-Yepes, Francisco	Population Medicine & Diagnostic Science	Washington State Conservation Commission (Through: Washington State University)	SITE-SPECIFIC INTERVENTION-DRIVEN EMISSIONS REDUCTION STRATEGIES FOR CLIMATE-SMART DAIRY FARMING: RESEARCH AND DEMONSTRATION	175339	\$194,800
Lighthall, Shari	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2024-2025 AG IN THE CLASSROOM	173837	\$500,000
Longchamps, Louis	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets (Through: New York Corn and Soybean Growers Association Inc)	ENHANCING FARMER-LED ON-FARM EXPERIMENTATION WITH DIGITAL AGRONOMY	175075	\$19,450
MacMartin, Douglas	Mechanical & Aerospace Engineering	QCL -> Quadrature Climate Foundation	GEOENGINEERING ASSESSMENT ACROSS UNCERTAINTIES, SCENARIOS AND STRATEGIES (GAUSS): SUPPORTING CORNELL RESEARCH IN SUNLIGHT REFLECTION METHODS	174948	\$2,500,000
Mazourek, Michael	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: USDA -> USDA ARS -> USDA Agricultural Research Service Northeast Area)	INVESTIGATION OF CROPS WITH HIGH LEVEL AND STABLE STORAGE OF CAROTENOIDS (59-8062-5-005)	181600	\$82,885
McQuiddy, Nicole	SHA - Sponsored Activity	Statler Foundation	CHR DIGITAL INFRASTRUCTURE IMPROVEMENT PROJECT	180099	\$113,000
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)	WINTER PEA BREEDING FOR COVER CROP USE IN NORTHERN NEW YORK CROPPING SYSTEMS	180733	\$13,448
Moridi, Atieh	Mechanical & Aerospace Engineering	DOE -> DOE National Nuclear Security Administration (Through: LLNS LLC -> Lawrence Livermore National Laboratory)	AUTONOMOUS ALLOY PREDICTION AND EXPERIMENTATION (APEX)	180736	\$195,000
Mruk, Gregory	Dyson - Sponsored Activity	NYS -> New York State Department of Agriculture and Markets	2024-2025 FARMNET - FARM FAMILY ASSISTANCE	173997	\$1,000,000
Munoz Saez, Carolina	Earth & Atmospheric Sciences	DOE -> DOE National Nuclear Security Administration (Through: HONEYWELL -> NTESS -> Sandia National Laboratories)	COMBINED ANALYSIS OF LITHIUM BRINES AND THERMAL ENERGY RESOURCES (CALIBRATE)	174852	\$256,992
Noel, Corinna	Public and Ecosystem Health	NYS -> New York State Department of Health (Through: Cayuga County New York)	PUBLIC HEALTH PRACTICE: EPIDEMIOLOGIST AND EVALUATOR FOR CAYUGA COUNTY'S HARM REDUCTION DROP-IN CENTER	180287	\$31,200
Noel, Corinna	Public and Ecosystem Health	NYS -> New York State Department of Health (Through: Cayuga County New York)	PUBLIC HEALTH PRACTICE: EPIDEMIOLOGIST AND EVALUATOR FOR CAYUGA COUNTY'S HOPE PROGRAM	180289	\$29,120

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	\$407,546
Osmani, Kimberly	Yang Tan Institute	ED -> Rehabilitation Services Administration (Through: MONTANA -> Montana Department of Public Health and Human Services)	MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES CRP-TRAINING INSTITUTE FOR THE VOCATIONAL REHABILITATION AND BLIND SERVICES (VRBS) PROGRAM FY 24	169657	\$46,800
Overton, Thomas	CALS Animal Science	CHEMLOCK METALS -> Chemlock Nutrition	COMBINATION OF ZEOLITE (NUTRICOW CALBAL) AND CALCIDIOL TO SUPPORT TRANSITION COW PERFORMANCE	178171	\$155,155
Peck, Gregory	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2024-2025 HARD CIDER	173844	\$202,000
Pennycook, Gordon	CAS Psychology	DOD -> DOD US NAVY -> Office of Naval Research (Through: University of Pennsylvania)	THE LANGUAGE OF PARASOCIAL INFLUENCE AND THE EMERGENCE OF EXTREMISM	174306	\$1,311,190
Peters-Kennedy, Jeanine	Population Medicine & Diagnostic Science	American College of Veterinary Dermatology	INVESTIGATION INTO THE POTENTIAL ASSOCIATION OF EQUINE GAMMAHERPESVIRUSES AND CUTANEOUS EQUINE SARCOIDOSIS	180291	\$5,543
Reeves, Anthony	Electrical & Computer Engineering	HHS -> PHS -> Centers for Disease Control and Prevention (Through: Center for Asbestos Related Disease Inc)	SERVICE CONTRACT	141568	\$75,000
Rice, Aaron	CALS Lab of O - K. Lisa Yang Center	DOI -> National Park Service (Through: University of New Hampshire)	ACOUSTIC MONITORING OF AN ECOLOGICALLY RELEVANT FISH IN FLORIDA BAY: TOADFISH AS THE CANARY IN THE COAL MINE	175207	\$4,500
Riley, Timothy	Mathematics	NSF -> NSF Directorate for Mathematical and Physical Sciences	CONFERENCE: THE WILLIAM ROWAN HAMILTON GEOMETRY AND TOPOLOGY WORKSHOP: CELEBRATING MARTIN BRIDSON'S 60TH BIRTHDAY	179049	\$20,000
Robinson, Orin	CALS Lab of O - Ctr Avian Studies	DOI -> United States Fish and Wildlife Service	DEVELOPING OPTIONS AND WORK PLANS TO GUIDE NEXT STEPS IN WBPHS DESIGN AND OPERATION WITH AN INCREASED EMPHASIS ON SEA DUCKS	180631	\$78,072
Roeder, Adrienne	Weill Institute	United States-Israel Binational Science Foundation	A QUANTITATIVE APPROACH TO REVEAL INTER-TISSUE CELL GROWTH COORDINATION AND ITS MOLECULAR READOUT	169073	\$150,500
Ruiz, Antonio	Neurobiology and Behavior	HHS -> PHS -> NIH -> NIH National Institute of Mental Health	MECHANISMS AND FUNCTIONS OF TEMPORAL COORDINATION IN THE ENTORRHINAL-HIPPOCAMPAL NETWORK	171929	\$2,727,970
Ruiz, Antonio	Neurobiology and Behavior	Research Corporation for Science Advancement	SA-MBC-2024-071C - UNDERSTANDING THE NEURAL BASIS OF NATURAL BEHAVIOR WITH INDIVIDUALIZED RNNS	182237	\$55,000
Ryan, Matthew	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: Washington State University)	MORE BANG FOR YOUR BUCKWHEAT: ECOSYSTEM SERVICES, NUTRITION, AND VALUE-ADDED PRODUCTION FOR ORGANIC SYSTEMS	171058	\$376,010
Saloff-Coste, Laurent	Mathematics	NSF -> NSF Directorate for Mathematical and Physical Sciences	CONFERENCE: CORNELL 8TH CONFERENCE ON ANALYSIS, PROBABILITY, AND MATHEMATICAL PHYSICS ON FRACTALS	179430	\$35,000

Savransky, Dmitry	Mechanical & Aerospace Engineering	National Aeronautics and Space Administration (Through: CALTECH -> Jet Propulsion Laboratory)	STARSHADE SCENARIO OPTIONS ANALYSIS FOR LARGE IR /O/UV OBSERVATORY (YEAR 3)	175715	\$56,000
Scanlon, Michael	CALS School of Integrative Plant Science	NSF -> NSF Directorate for Biological Sciences	INTERACTIONS OF PLANT TRANSCRIPTION FACTORS REGULATE COORDINATED 3D DEVELOPMENT OF THE MAIZE LEAF	177673	\$735,000
Schweitzer, Seth	Civil & Environmental Engineering	Great Lakes Fishery Commission	PRELIMINARY PREPARATION FOR IMPLEMENTING INFRARED QUANTITATIVE IMAGE VELOCIMETRY (IR-QIV) AT FISHPASS	180185	\$54,619
Shepherd, Robert	Mechanical & Aerospace Engineering	United States Department of Energy (Through: ALLIANCE -> National Renewable Energy Laboratory)	SOFT ENERGY (PHASE II)	177612	\$80,000
Shu, Suzanne	Dyson - Sponsored Activity	William and Flora Hewlett Foundation	HEWLETT FOUNDATION PROGRAM GRANT - SC JOHNSON COLLEGE OF BUSINESS	178415	\$107,256
Sobhani, Sadaf	Mechanical & Aerospace Engineering	National Aeronautics and Space Administration (Through: CALTECH -> Jet Propulsion Laboratory)	NONCONDUCTIVE CONDUCTORS: HEAT PIPES FOR HIGH VOLTAGE SYSTEMS	175290	\$149,999
Stacey, Gordon	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration	PLANETARY ORIGINS AND EVOLUTION MULTISPECTRAL MONOCHROMATOR (POEMM)	157095	\$7,574,123
Stedman, Richard	CALS Natural Resources	USDA -> USDA US Forest Service (Through: Khuba International)	FORESTRY SUPPORT FUND FOR AFRICAN AMERICAN, HISPANIC, AND OTHER UNDERSERVED FOREST LANDOWNERS	167838	\$54,977
Stup, Richard	CALS School of Integrative Plant Science	USDA -> USDA Agricultural Marketing Service (Through: VERMONT -> VAAFM -> Northeast Dairy Business Innovation Center)	AGRICULTURAL SUPERVISORY LEADERSHIP FOR NORTHEAST DAIRY	179404	\$126,500
Tebbe, Nelson	Law School Research	Library of Congress	NEW CONSTITUTIONAL PARADIGMS	173003	\$54,000
Van Vliet, Krystyn	Ofc of VPres for Rsrch & Innovation	US DOC -> United States Economic Development Administration (Through: Syracuse University)	NY SMART I-CORRIDOR COMMERCIALIZATION AND COLLABORATION CENTER (C3) TECH HUB	172006	\$1,544,731
Wang, Jianxun	Mechanical & Aerospace Engineering	Voxel Innovations Inc	DIFFERENTIABLE HYBRID NEURAL MODELING FOR ELECTROCHEMICAL MACHINING	178468	\$68,119
Whittaker, Gary	Microbiology and Immunology	Gilead Sciences Inc	TESTING NOVEL ANTIVIRALS IN A ONE HEALTH CONTEXT; CORONAVIRUSES OF COMPANION ANIMALS AND AGRICULTURAL SPECIES	171981	\$34,728
Wightman, Aaron	CALS Natural Resources	NYS -> New York State Department of Agriculture and Markets	2024-2025 MAPLE RESEARCH	174142	\$151,000
Wild, Adam	CALS Natural Resources	NYS -> New York State Department of Agriculture and Markets (Through: JEFFERSON CTY -> Cornell Cooperative Extension Jefferson County)	IMPROVE MAPLE PRODUCTION AND EFFICIENCY THROUGH TECHNOLOGY	180534	\$21,434
Wolfner, Mariana	Molecular Biology and Genetics	HHS -> PHS -> NIH -> NIH Eunice Kennedy Shriver National Institute of Child Health and Human Development	MALE X FEMALE PROTEIN INTERACTIONS MEDIATING REPRODUCTIVE SUCCESS IN THE DROSOPHILA MATING PLUG	157677	\$9,748

Womack, Molly	Ecology and Evolutionary Biology	NSF -> NSF Directorate for Biological Sciences	COLLABORATIVE RESEARCH: ORCC: SALTWATER RISING: UNDERSTANDING HOW SEA LEVEL RISE AFFECTS COASTAL AMPHIBIANS	180127	\$345,619
Womack, Molly	Ecology and Evolutionary Biology	NSF -> NSF Directorate for Biological Sciences	COLLABORATIVE RESEARCH: EVOLVING THICKER SKIN: UNDERSTANDING HOW ADAPTATIONS TO A UNIVERSAL TRADE-OFF DICTATE THE CLIMATE VULNERABILITY AND ECOLOGY OF AN IMPERILED VERTEBRATE CLADE	180126	\$461,914
Xavier, Bruno	CALS Food Science	NYS -> New York State Department of Agriculture and Markets	2024-2025 AGRITECH ON THE ROAD	179901	\$49,950
Xu, Chris	Applied & Engineering Physics	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences (Through: University of Rochester)	FLEXIBLE DUAL-DURATION MULTI-WAVELENGTH FIBER SOURCES FOR NONLINEAR AND MULTIMODAL IMAGING	167537	\$231,170