

**Cornell University, Office of Sponsored Programs  
Awards Received in February 2021**

<b>Principal Investigator</b>	<b>Department</b>	<b>Sponsor</b>	<b>Project Title</b>	<b>OSP#</b>	<b>Amount</b>
Agarwal, Rachit	Computer Science	Samsung Electronics Company Ltd	BUILDING RACK-SCALE STORAGE SYSTEMS FOR DISAGGREGATED STORAGE	138542	\$106,179
Barrett, Chris	Dyson - Research	African Economic Research Consortium	STRUCTURAL TRANSFORMATION OF AFRICAN AGRICULTURE AND RURAL SPACES (STAARS)	138951	\$58,385
Berney, Tre	Preservation/Conservation	NYS -> NYSED -> New York State Library	NEW YORK STATE AID 2020-21	92802	\$145,604
Chen, Yudong	Operations Research & Information Engr	NSF -> NSF Directorate for Computer and Information Science and Engineering	CAREER: EMBRACING LOCAL MINIMA AND NONSMOOTHNESS IN NONCONVEX STATISTICAL ESTIMATION: FROM STRUCTURES TO ALGORITHMS	137046	\$542,767
Cohen, Paula	Biomedical Sciences	HHS -> PHS -> National Institutes of Health (Through: HHS -> PHS -> NIH -> NIH Eunice Kennedy Shriver National Institute of Child Health and Human Development)	SLX4 AS A MEDIATOR OF CROSSOVER PATHWAY DECISIONS IN MAMMALIAN MEIOSIS	86708	\$15,539
Cosgrove, Ben	Biomedical Engineering	HHS -> PHS -> National Institutes of Health (Through: Georgia Tech Research Corporation)	LYMPHOID EXPERIMENTAL THERAPEUTICS PLATFORM TO STUDY COOPERATIVE SIGNALING IN HUMAN LYMPHOMAS	92263	\$479,527
Csaki, Csaba	Cornell Lab Accelerator Sciences & Ed	United States-Israel Binational Science Foundation	FRONTIERS OF PHYSICS BEYOND THE STANDARD MODEL - NEW DIRECTIONS FOR NATURALNESS AND DARK MATTER IN LIGHT OF RECENT LHC AND DIRECT DETECTION RESULTS	81963	\$18,263
Curtis, Paul	CALS Natural Resources	DOD -> DOD ARMY -> U.S. Army Corps Of Engineers	DEER RESEARCH AND MANAGEMENT, FORT DRUM, NY	92538	\$8,255
Davis, Damek	Operations Research & Information Engr	NSF -> NSF Directorate for Mathematical and Physical Sciences	CAREER: NONCONVEX OPTIMIZATION FOR STATISTICAL ESTIMATION AND LEARNING: CONDITIONING, DYNAMICS, AND NONSMOOTHNESS	136791	\$454,000
De Jong, Walter	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	GOLDEN NEMATODE (2020-2021)	93254	\$49,600
De Jong, Walter	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: University of Idaho)	DEVELOPMENT OF SUSTAINABLE SYSTEM-BASED MANAGEMENT STRATEGIES FOR TWO VECTOR-BORNE, TUBER NECROTIC VIRUSES IN POTATO	92694	\$300,000
Eckenrode, John	Bronfenbrenner Ctr for Translational Rsch	HHS -> PHS -> National Institutes of Health (Through: University Of Toronto)	UNDERSTANDING THE CAUSES, CONSEQUENCES, AND SEVERITY OF ELDER MISTREATMENT: A LONGITUDINAL, POPULATION-BASED STUDY.	85047	\$11,501
Fortier, Lisa	Clinical Sciences	ElleVet Sciences	CANNABIDIOL BASED OIL PHARMACOKINETICS AND SAFETY IN THE HORSE	138325	\$77,467
Gilbert, Martin	Population Medicine & Diagnostic Science	Wild Sheep Foundation	WILD UNGULATE HEALTH SURVEILLANCE IN CENTRAL ASIA	136946	\$30,000
Grimson, Andrew	Molecular Biology and Genetics	HHS -> PHS -> National Institutes of Health	ESTABLISHING METHODS TO DEFINEATE 3'UTR-MEDIATED REGULATION	92617	\$417,363
Gurvich, Itai	Tech Research	DOD -> DOD United States Army (Through: Intelligent Automation Inc)	DOD STTR: PHASE 1: RESOURCE SHARING PLATFORMS FOR IMPROVED OPERATIONAL LOGISTICS	91809	\$1

Hay, Frank	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	COMBATTING STEMPHYLIUM LEAF BLIGHT OF ONION: A CRITICAL THREAT TO THE SUSTAINABILITY AND PROFITABILITY OF ONION PRODUCTION IN NEW YORK	93159	\$299,575
Hewson, Ian	CALS Microbiology	NSF -> NSF Directorate for Geosciences	EXPLORING THE ROLE OF BOUNDARY LAYER MICROBIAL REMINERALIZATION IN FLAVIVIRUS-HOST DYNAMICS	136926	\$775,595
Hoepting, Christy	CALS Cornell Cooperative Extension	USDA -> USDA National Institute of Food and Agriculture (Through: USMD -> University of Maryland Eastern Shore)	LR-4 NORTHEAST REGION MINOR CROP PEST MANAGEMENT PROGRAM; PRODUCT PERFORMANCE - BROCCOLI	138551	\$7,500
Huberman, Lori	CALS School of Integrative Plant Science	VM Agritech Ltd	IDENTIFYING FUNGICIDE MODE OF ACTION USING HIGH THROUGHPUT FUNCTIONAL GENOMICS	139046	\$493,520
Jiang, Shaoyi	Biomedical Engineering	National Science Foundation	ROLE OF PROTEIN CORONA IN THE FATE OF HYDROPHILIC POLYMERIC NANOPARTICLES: A FUNDAMENTAL STUDY	137818	\$224,603
Jiang, Shaoyi	Biomedical Engineering	HHS -> PHS -> National Institutes of Health	ZWITTERIONIC POLYPEPTIDE-PROTEIN CONJUGATION FOR THE SAFE AND EFFICIENT DELIVERY OF THERAPEUTIC ENZYMES	137169	\$129,036
Joo, Yong	Chemical & Biomolecular Engineering	Merck KGaA	THREE-DIMENSIONAL LINE EDGE / LINE WIDTH ROUGHNESS AND DEFECTIVE ANALYSIS IN DIRECTED ASSEMBLY OF BLOCK COPOLYMER ON TOPOGRAPHIC SUBSTRATE	137489	\$300,000
Khan, Awais	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture	ROOT TRAITS AND RAPID DECLINE OF APPLE TREES IN HIGH-DENSITY ORCHARDS	93201	\$299,365
Krishnamurthy, Vikram	Electrical & Computer Engineering	DOD -> DOD ARMY -> U.S. Army Medical Research Acquisition Activity	ADVERSARIAL SIGNAL PROCESSING AND INVERSE COGNITIVE SENSING	91190	\$480,938
Kurpios, Natasza	Molecular Medicine	HHS -> PHS -> NIH -> NIH National Institute of Diabetes and Digestive and Kidney Diseases	MECHANISMS UNDERLYING ASYMMETRIC ROTATION AND VASCULAR DEVELOPMENT OF THE MIDGUT	83010	\$49,020
Legunsen, Owolabi	Computer Science	National Science Foundation	CAREER: SPECIALIZING RUNTIME VERIFICATION FOR SOFTWARE TESTING	136445	\$585,933
Liepe, Matthias	Cornell Lab Accelerator Sciences & Ed	United States Department of Energy (Through: SLAC National Accelerator Laboratory)	MEASURING THE SEEBECK COEFFICIENTS OF 316LN AND 316L STAINLESS STEEL AT CRYOGENIC TEMPERATURES	138396	\$53,154
Mays, Jacob	Civil & Environmental Engineering	United States Department of Energy (Through: University of Michigan)	OPTIMAL NATIONWIDE DEPLOYMENT PATHWAYS OF SMALL MODULAR REACTORS IN ELECTRIC POWER, INDUSTRIAL, AND OTHER NICHE MARKETS TO ACHIEVE WIDESPREAD USE AND COST REDUCTIONS	91412	\$298,721
Mazourek, Michael	CALS School of Integrative Plant Science	Baby Food Council (Through: Companies for Causes)	BEST PRACTICES TO REDUCE HEAVY METALS IN SQUASH	138460	\$35,000
McGrath, Margaret	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: USMD -> University of Maryland Eastern Shore)	IR-4 NORTHEAST REGION MINOR CROP PEST MANAGEMENT PROGRAM - INTEGRATED SOLUTIONS	138517	\$7,500
Mehta, Saurabh	Nutritional Sciences	USDA -> USDA National Institute of Food and Agriculture	IMPACT OF BIOFORTIFIED STAPLE CROPS ON GUT MICROBIOME IN CHILDREN	92770	\$500,000
Mimno, David	Information Science	National Endowment for the Humanities	BERT FOR HUMANISTS: ANTICIPATING THE RECEPTION OF CONTEMPORARY NLP IN DIGITAL HUMANITIES	136537	\$39,998

Molnar, Alyosha	Electrical & Computer Engineering	SRC -> SRCco Inc (Through: UCAL -> The Regents of the University of California on behalf of its Santa Barbara Campus)	COMSENTER: A CENTER FOR CONVERGED TERAHERTZ COMMUNICATIONS AND SENSING	83946	\$339,999
Nugen, Sam	CALS Food Science	USDA -> USDA National Institute of Food and Agriculture	PHAGE-BASED NANOSENSORS FOR THE RAPID DETECTION OF SALMONELLA IN AGRICULTURAL MATRICES	93022	\$476,773
Ober, Christopher	Materials Science Engineering	DOD -> DOD Defense Threat Reduction Agency (Through: DOD -> DOD US NAVY -> ONR -> U.S. Naval Research Laboratory)	RETENTION AND REPELLENCY IN COATING TECHNOLOGIES	138294	\$154,000
Pashow, Lindsey	CALS Cornell Cooperative Extension	USDA -> USDA Agricultural Marketing Service (Through: ESSEX CTY -> Cornell Cooperative Extension Essex County)	EXPANSION OF LOCAL WHOLESALE REVENUES IN THE NORTH COUNTRY THROUGH FARM TO INSTITUTION COORDINATION, FOOD BUSINESS TRAININGS, INCREASING HUB CAPACITY, AND MARKETING	136180	\$21,495
Peck, Mason	Mechanical & Aerospace Engineering	Ecliptic Enterprises Corporation	COMMERCIALIZATION OF OPTICAL NAVIGATION TECHNOLOGY	138185	\$91,631
Peck, Mason	Mechanical & Aerospace Engineering	DOD -> DOD United States Air Force (Through: Cateni Inc)	LOW-COST PITCH MOMENTUM BIAS CONTROL SOLUTION FOR CUBESATS	137052	\$50,000
Powers, Jane	Bronfenbrenner Ctr for Translational Rsch	U.S. Department of Health & Human Services (Through: Family Health Centers at NYU Langone)	SEXUAL RISK AVOIDANCE EDUCATION PROGRAM	136188	\$231,416
Pugh, Frank	Molecular Biology and Genetics	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences (Through: Pennsylvania State University)	GENOME-WIDE STRUCTURAL ORGANIZATION OF PROTEINS WITHIN HUMAN GENE REGULATORY COMPLEXES	138208	\$31,686
Pugh, Frank	Molecular Biology and Genetics	HHS -> PHS -> NIH -> NIH National Institute of Environmental Health Sciences (Through: Pennsylvania State University)	PROMOTER REGULATION IN RESPONSE TO ENVIRONMENTAL STRESS (5R01ES013768)	138156	\$154,281
Reed, Patrick	Civil & Environmental Engineering	Tampa Bay Water (Through: University of North Carolina Chapel Hill)	UNDERSTANDING DEMAND-SUPPLY-FINANCE NEXUS FOR WATER SUPPLY PLANNING: INFRASTRUCTURE DECISION FRAMEWORK (IDF)	88052	\$50,000
Ristenpart, Thomas	Tech Research	JPMORGANCHASE -> Jpmorgan Private Bank	JPM 2021 AI RESEARCH PHD FELLOWSHIP - BIJEETA PAL	138190	\$89,713
Robbins, Kelly	CALS School of Integrative Plant Science	Foundation for Food and Agriculture Research	PROXIMAL SENSING FOR MODELING DEVELOPMENT CURVES AND ACCELERATED BREEDING OF CLIMATE RESILIENT CROP VARIETIES	136275	\$796,878
Rodewald, Amanda	CALS Lab of O - Programs	Walmart Foundation	A PATH TOWARDS SUSTAINABILITY: USING BIRDS AS INDICATORS FOR POLLINATOR DIVERSITY ACROSS THE US	137376	\$500,000
Rudd, Brian	Microbiology and Immunology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases (Through: David H. Smith Center for Vaccine Biology and Immunology)	IMAGING THE DEVELOPMENTAL LAYERS OF T CELLS IN THE LYMPH NODE	138430	\$40,000
Samuelian, Michael	JTC Operations	Ford Foundation	ASSESSING PARTNERSHIPS FOR MUNICIPAL DIGITAL INFRASTRUCTURE	137823	\$122,830

Schmit, Todd	Dyson - Sponsored Activity	USDA -> USDA National Institute of Food and Agriculture (Through: Community Involved in Sustaining Agriculture)	MEAT PRICING CALCULATOR AND MEAT PRODUCER TRAINING, CISA BENCHMARKING PROJECT	137840	\$34,223
Schuler, Krysten	Population Medicine & Diagnostic Science	Virginia Department of Wildlife Resources	VIRGINIA CWD RISK ASSESSMENT AND SURVEILLANCE PLAN	137871	\$20,296
Scott, Jeffrey	CALS Entomology	DOD -> DOD United States Army (Through: University of Florida)	DEVELOPMENT OF FLURALANER AS A SPACE SPRAY AND BAIT FOR CONTROL OF HOUSE FLIES	92604	\$103,326
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	81694	\$214,757
Shuler, Michael	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Cancer Institute (Through: Cleveland Clinic Foundation)	AN ORGANOTYPIC MODEL RECAPITULATION COLON CANCER MICROENVIRONMENT AND METASTASIS	80016	\$120,105
Smith, Adam	Anthropology	NSF -> NSF Directorate for Social, Behavioral and Economic Sciences	DOCTORAL DISSERTATION RESEARCH: ABSOLUTE TIME, LIVED TEMPORALITY: GENERATIVE CHRONOLOGIES IN THE EARLY BRONZE AGE SOUTH CAUCASUS	138108	\$25,117
Tester, Jefferson	Chemical & Biomolecular Engineering	DOE -> DOE Office of Energy Efficiency and Renewable Energy	GROUND-TRUTHING: EXPLORATORY BOREHOLE CHARACTERIZATION AND MODELING TO VERIFY AND EXPAND TECHNO-ECONOMIC EVALUATION OF EARTH SOURCE HEAT AT CORNELL UNIVERSITY (CONTROL NO. 2219-1508)	92817	\$7,329,614
Thom-Levy, Julia	Lab. of Atomic & Solid State Physics	United States Department of Energy (Through: SYDOR -> Sydor Instruments)	NEXT GENERATION ULTRA-WIDE DYNAMIC RANGE X-RAY MIXED-MODE PIXEL ARRAY DETECTOR	137641	\$120,000
Tonitto, Christina	Atkinson Center for a Sustainable Future	The Nature Conservancy Inc	HOW DO IMPROVED AGRICULTURAL MANAGEMENT PRACTICES IMPACT NET GREENHOUSE GAS EMISSIONS FROM U.S. BIOFUEL PRODUCTION?	139078	\$61,630
Turner, Andy	Bronfenbrenner Ctr for Translational Rsch	Bayer (Through: National 4-H Council)	4-H AG INNOVATORS EXPERIENCE	138004	\$16,000
Vilhuber, Lars	Labor Dynamics Institute	American Economic Association Inc	DATA EDITOR FOR THE AMERICAN ECONOMIC ASSOCIATION	85946	\$283,309
Weatherspoon, Hakim	Computer Science	Pivotal Ventures Llc (Through: Northeastern University)	CENTER FOR INCLUSIVE COMPUTING DATA GRANT	138175	\$60,000
White, Andrew	Biomedical Sciences	HHS -> PHS -> NIH -> NIH National Institute of Arthritis and Musculoskeletal and Skin Diseases	REGULATORS OF MELANOCYTE STEM CELL MIGRATION AND MELANOMA INITIATION IN RESPONSE TO CUTANEOUS UVB IRRADIATION	90490	\$192,416
Xu, Kenong	CALS School of Integrative Plant Science	Okanagan Biotechnology Inc.	FIELD TRIAL ACTIVITIES	47057	\$14,448
deFaria, Newton	Biomedical Engineering	HHS -> PHS -> National Institutes of Health (Through: Weill Cornell Medicine)	TOTAL LIQUID VENTILATOR	138831	\$10,000