

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

Principal Investigator	Department	Sponsor	Project Title	OSP#	Amount
Abbaspourrad, Alireza	CALS Food Science	Dairy Management Inc	ISOLATION AND ENCAPSULATION OF TRYPTOPHAN TO IMPROVE STABILITY AND REDUCE BITTERNESS	139644	\$37,079
Abdelfattah, Mohamed	Tech Research	NSF -> NSF Directorate for Computer and Information Science and Engineering	CAREER: EFFICIENT LARGE LANGUAGE MODEL INFERENCE THROUGH CODESIGN: ADAPTABLE SOFTWARE PARTITIONING AND FPGA-BASED DISTRIBUTED HARDWARE	162450	\$883,082
Arson, Chloe	Civil & Environmental Engineering	United States Department of Energy (Through: Georgia Tech Research Corporation)	EFFECT OF HYDROLOGICAL FORCING ON THE BIOGEOCHEMICAL TRANSFORMATION OF CARBON AND GREENHOUSE GAS EMISSIONS IN RIPARIAN AND STREAMBED SEDIMENTS	160577	\$76,797
Barthelmie, Rebecca	Mechanical & Aerospace Engineering	Sandia National Laboratories	INSTRUMENTATION, MODELING, AND ANALYSIS SUPPORT FOR THE AMERICAN WAKE EXPERIMENT (AWAKEN)	160439	\$371,380
Bean, Rachel	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: NASA -> Jet Propulsion Laboratory)	RACHEL BEAN'S PARTICIPATION IN THE NASA EUCLID SCIENCE TEAM FY 2024	165468	\$74,500
Bindel, David	Computer Science	DOE -> DOE Office of Science (Through: Princeton University)	HIFISTELL- HIGH-FIDELITY SIMULATIONS FOR STELLARATIONS	158755	\$400,000
Blossey, Bernd	CALS Natural Resources	NYS -> New York State Department of Transportation (Through: Rutgers The State University of New Jersey)	PHASE 3 BIOLOGICAL CONTROL OF INVASIVE PHRAGMITES AUSTRALIS	164028	\$562,897
Capiro, Natalie	CALS Biological & Environmental Engr	DOD -> DOD United States Army	ENVIRONMENTAL CONDITIONS INFLUENCING NATURAL ABIOTIC AND BIOTIC TRANSFORMATION OF PERFLUOROALKYL ACID (PFAA) PRECURSORS AT AFFF IMPACTED SITES	158083	\$1,677,857
Castelhana, Marta	Clinical Sciences	Morris Animal Foundation	D24CLP-701: GOLDEN RETRIEVER LIFETIME STUDY: BIOBANKING QUALITY ASSURANCE RESOURCE	166625	\$286,148
Cebula, Raymond	Yang Tan Institute	United States Social Security Administration (Through: Cognosante LLC)	COGNOSANTE, LLC- TRAINING 12 WEBINAR	161242	\$15,600
Cerione, Richard	Molecular Medicine	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	STUDIES OF GLOBAL SIGNAL TRANSDUCTION	149135	\$2,710,288
Daziano, Ricardo	Civil & Environmental Engineering	Alfred P Sloan Foundation (Through: USMD -> University of Maryland College Park)	REGIONAL INTERDISCIPLINARY TRANSPORTATION FELLOWSHIP PROGRAM IN ECONOMICS ENGINEERING AND POLICY	155274	\$200,000
De Vlaminck, Iwijn	Biomedical Engineering	Damon Runyon Cancer Research Foundation	ADVANCING STATISTICAL DECONVOLUTION METHODOLOGIES FOR CELL-FREE RNA	170248	\$23,916
Di Girolamo, Nicola	Clinical Sciences	Harrison Avian Research and Conservation Collaborative	TSH-STIMULATION TEST WITH FRESH AND FROZEN COMMERCIALY AVAILABLE TSH IN QUAKER PARROTS (MYOPSITTA MONACHUS)	163823	\$12,455
Elvinger, Francois	Animal Health Diagnostic Center	USDA -> USDA Animal and Plant Health Inspection Service (Through: Colorado State University)	NAHLN: CO ANIMAL HEALTH DIAGNOSTIC LABORATORY 2023-2024/5	166228	\$1,000,000
Elvinger, Francois	Animal Health Diagnostic Center	International Duck Research Cooperative Inc	INTERNATIONAL DUCK RESEARCH COOPERATIVE (IDRC) AGREEMENT FY22-27	147106	\$15,000

Fletcher, Daniel	Clinical Sciences	The Irish Wolfhound Foundation	THE RELATIONSHIP BETWEEN MUTATIONS IN THE DELAYED POST-OPERATIVE HEMORRHAGE GENE (DEPOHGEN) AND FUNCTIONAL COAGULATION AND FIBRINOLYSIS IN IRISH WOLFHOUNDS	164439	\$24,452
Giannelis, Emmanuel	Materials Science Engineering	DryFiber LLC	DRYFIBER-CORNELL UNIVERSITY COLLABORATIVE PROGRAM	169279	\$241,709
Goldberg, Jesse	Neurobiology and Behavior	HHS -> PHS -> NIH -> NIH National Institute of Neurological Disorders and Stroke (Through: Weill Cornell Medicine)	MECHANISMS AND FUNCTIONS OF CORTICAL ACTIVITY TO RESTORE BEHAVIOR	147460	\$251,439
Gomez, Miguel	Dyson - Sponsored Activity	Foundation for Food & Agriculture Research (Through: Colorado State University)	CAPTURING TRADEOFFS IN NEW YORK CITY'S (NYC) SCHOOL PROCUREMENT DECISIONS	145978	\$249,999
Griffiths, Phillip	CALS School of Integrative Plant Science	USDA -> USDA Agricultural Marketing Service (Through: New York Farm Viability Institute Inc)	KALE HYBRIDS WITH IMPROVED PRODUCER AND CONSUMER QUALITIES	143546	\$98,870
Haji, Maha	Mechanical & Aerospace Engineering	Sandia National Laboratories	DIFFERENTIABLE PROGRAMMING TO ENABLE MODERN OPTIMIZATION AND DATA-DRIVEN METHODS FOR MARINE RENEWABLE ENERGY	163706	\$22,000
Helbling, Elizabeth	Electrical & Computer Engineering	DOD -> DOD US NAVY -> Office of Naval Research	WATERBUG - AN AUTONOMOUS MM-SCALE ROBOT ON THE WATER SURFACE	166339	\$621,078
Ho, Anna	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration	AN ULTRASAT CENSUS OF FAST UV-LUMINOUS COSMIC EXPLOSIONS WITH RELATIVISTIC EJECTA	158179	\$210,000
Huson, Heather	CALS Animal Science	DOD -> DOD US AF -> Air Force Research Laboratory (Through: UES Inc)	DEVELOPMENT OF MUSKOX KERATIN WITH ENHANCED THERMAL INSULATING PROPERTIES FOR TEXTILES	165630	\$112,998
James, Lisa	Zone Overhead	USDA -> USDA ARS -> USDA Agricultural Research Service Midwest Northeast Area	ROBERT W HOLLEY CENTER FOR AGRICULTURE & HEALTH MAXIMO BILLING - ACQUISITION OF GOODS AND SERVICES	164601	\$63,034
Jena, Debdeep	Electrical & Computer Engineering	Lit Thinking	DEEP-ULTRAVIOLET LASER HETEROSTRUCTURE EPITAXY AND DEVICE STUDY	169444	\$160,000
Justice, Deborah	Music	National Endowment for the Arts (Through: Mid Atlantic Arts Foundation)	JAZZ TOURING NETWORK: TRAVEL GRANT	170591	\$500
Kalantari, Saleh	Human Centered Design	Weill Cornell Medicine	NAVIGATIONAL TRAINING FOR OLDER ADULTS IN VIRTUAL REALITY	147987	\$9,600
Kaltenegger, Lisa	Center Astrophysics-Planetary Science	The Brinson Foundation	SEARCH FOR LIFE IN THE UNIVERSE	156192	\$3,000
Kusse, Bruce	Lab of Plasma Studies	United States Department of Energy (Through: Regents of the University of Michigan)	THE CENTER FOR MAGNETIC ACCELERATION, COMPRESSION, AND HEATING (MACH)	146197	\$6,100,002
Lee, Esak	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Heart, Lung, and Blood Institute	REGULATION OF LYMPHATIC ENDOTHELIAL CELL JUNCTION AND DRAINAGE	141684	\$166,793
Lejeune, Mani	Population Medicine & Diagnostic Science	OK ST U -> National Center For Veterinary Parasitology	IS THE MICROBIOME OF ORNITHODOROS SPP. A DETERMINANT OF VECTOR COMPETENCE FOR THE AFRICAN SWINE FEVER VIRUS?	165464	\$25,000

Lewis, Karl	Biomedical Engineering	HHS -> PHS -> NIH -> NIH National Center for Complementary and Integrative Health (Through: UA System -> University of Alabama at Birmingham)	FORCE-BASED MANIPULATIONS RESEARCH NETWORK	158992	\$50,000
Li, Sijin	Chemical & Biomolecular Engineering	NSF -> NSF Directorate for Biological Sciences	CAREER: SYNTHETIC BIOLOGY TO UNDERSTAND AND HARNESS PLANT ENZYME COMPLEXES FOR NATURAL PRODUCT SYNTHESIS IN YEAST	161280	\$742,914
Lunine, Jonathan	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: NASA -> Jet Propulsion Laboratory)	INFERNO-DYNAMICS: UNMASKING CHEMICAL INHOMOGENEITIES IN THE HOTTEST EXOPLANET ATMOSPHERE	169840	\$16,125
Lunine, Jonathan	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: NASA -> Jet Propulsion Laboratory)	DISTINGUISHED VISITING SCIENTIST	89600	\$199,716
Lyon, Beth	Law School Dean's Office	Acacia Center for Justice (Through: Immigrant Justice Corps)	IMMIGRANT JUSTICE CORPS FELLOWSHIP	147134	\$156,250
Manning, Sturt	Classics	NSF -> NSF Directorate for Social, Behavioral and Economic Sciences (Through: University of Georgia Research Foundation)	EVALUATING LONG TERM POPULATION CONTINUITY THROUGH RADIOCARBON DATING	148853	\$5,625
Martinez, Jessica	Johnson Art Museum	Open Society Foundations (Through: Bard College)	OPEN SOCIETY FELLOWSHIP - SHARIFA SHARIFI	157691	\$34,250
Martinez, Jose	Electrical & Computer Engineering	National Science Foundation (Through: Syracuse University)	LOUIS STOKES RENEWAL STEM PATHWAYS AND RESEARCH ALLIANCE: NEW YORK STATES UPSTATE LSAMP (ULSAMP)	147274	\$221,000
Mazourek, Michael	CALS School of Integrative Plant Science	Plennegy LTD	VIRUS SYMPTOM SCREENING FOR STARK AYRES/PLENNEGY - 2024	169387	\$21,644
Mehta, Karan	Electrical & Computer Engineering	DOD -> DOD ARMY -> US ARL -> US Army Research Office (Through: University of Innsbruck)	MODULAR LOGICAL QUBITS (MODULARIS)	156588	\$2,666,298
Mellon, Michael	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration	TEMPERATURE AND WATER ACTIVITY CONSTRAINTS ON HABITABILITY OF ICE-CEMENTED GROUND	151928	\$103,041
Meredith, Gen	Cornell Public Health (CPH)	National Association of County and City Health Officials	TECHNICAL ASSISTANCE TO ENHANCE FORECASTING AND ANALYTICS CAPABILITIES FOR LOCAL HEALTH DEPARTMENTS IN PARTNERSHIP WITH THE NATIONAL ASSOCIATION OF COUNTY AND CITY HEALTH OFFICIALS	168600	\$150,000
Messer, Philipp	CALS Biology Stats & Computational Biol	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	POPULATION GENETICS OF RAPID EVOLUTIONARY PROCESSES	151445	\$1,952,532
Moreau, Corrie	CALS Ecology & Evolutionary Biology	Society for the Study of Evolution	SOCIETY FOR THE STUDY OF EVOLUTION, "THE GENETIC & EVOLUTIONARY BASIS OF A KEY ECOLOGICAL INNOVATION: THE CEPHALOTES ANT SOLDIER".	170982	\$3,500
Murdock, Courtney	CALS Entomology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases (Through: Colorado State University)	ARBOVIRUS POPULATION BIOLOGY: TEMPERATURE IMPACTS ON SELECTION AND COLLECTIVE DYNAMICS	143303	\$483,689

Musick, Kelly	Public Policy - Academic	HHS -> PHS -> NIH -> NIH Eunice Kennedy Shriver National Institute of Child Health and Human Development (Through: UWS -> Board of Regents of the University of Wisconsin System on Behalf of the University of Wisconsin-Madison)	NEXTGENPOP: RECRUITING THE NEXT GENERATION OF SCHOLARS INTO POPULATION RESEARCH	136977	\$5,000
Nwosu, Zeribe	CALS Molecular Biology & Genetics	HHS -> PHS -> NIH -> NIH National Cancer Institute	DISRUPTING GLUTATHIONE DEPENDENCY IN PANCREATIC CANCER	167179	\$747,000
Ober, Christopher	Materials Science Engineering	Semiconductor Research Corporation	STUDIES OF PFAS FREE NON-IONIC PHOTOACID GENERATORS AND PHOTORESISTS FOR BENIGN EUV LITHOGRAPHY	165240	\$315,000
Osofsky, Steven	Population Medicine & Diagnostic Science	World Wildlife Fund Inc	HARMONIZATION OF DISEASE MANAGEMENT POLICY IN FOCAL WDAS ACROSS THE LIVESTOCK AND WILDLIFE SECTORS	139749	\$81,996
Pethybridge, Sarah	CALS School of Integrative Plant Science	USDA -> USDA National Institute of Food and Agriculture (Through: University of Kentucky)	EXPANDING RESILIENT CLIMATE AND PEST PROTECTION SYSTEMS FOR DIVERSIFIED ORGANIC SPECIALTY CROP PRODUCERS	157448	\$1,001,741
Petro, Elaine	Mechanical & Aerospace Engineering	National Aeronautics and Space Administration (Through: NASA -> Jet Propulsion Laboratory)	INVESTIGATING ALTERNATIVE MOLECULAR SURVEYING TECHNIQUES WITH OASIS (ORGANIC ANALYSIS SYSTEM UTILIZING ION SPRAYS)	156821	\$47,942
Poggiali, Valerio	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration	EXPLORING THE SURFACE OF TITAN WITH THE CASSINI RSS BISTATIC RADAR EXPERIMENTS	163870	\$597,858
Pritchard, Matthew	Earth & Atmospheric Sciences	National Aeronautics and Space Administration (Through: NASA -> Jet Propulsion Laboratory)	SATELLITE OBSERVATIONS OF VOLCANO TOPOGRAPHY CHANGE: A CRITICAL BUT IMMATURE MEASUREMENT FOR ERUPTION FORECAST MODELS (YEAR 3)	157359	\$46,752
Ragin, Melanie	DVM Financial Aid & Post DVM Support	USDA -> USDA National Institute of Food and Agriculture	PATHWAYS TO ACCESS VETERINARY EDUCATION AND RESEARCH	159121	\$247,500
Rangarajan, Anu	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2023-2024 EQUITABLE FARM FUTURES	160938	\$500,000
Rathbun, Julie	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration	UNDERSTANDING IOS HIGH LATITUDE VOLCANOES USING JIRAM DATA	165878	\$122,707
Reeves, Anthony	Electrical & Computer Engineering	HHS -> PHS -> Centers for Disease Control and Prevention (Through: Center for Asbestos Related Disease Inc)	SERVICE CONTRACT	141568	\$72,000
Reid, Judson	CALS Cornell Cooperative Extension	NYS -> New York State Department of Agriculture and Markets	2023-2024 COMMUNITY GARDENS CURRICULUM	162845	\$325,000
Richardson, Ruth	Civil & Environmental Engineering	NSF -> NSF Directorate for Technology, Innovation and Partnerships	NSF CONVERGENCE ACCELERATOR TRACK K: WATER FOR SMALL AND VERY SMALL SYSTEMS (WATERSAVERS) - A CONVERGENCE FRAMEWORK FOR EXPEDITING EQUITABLE WATER SYSTEMS DEPLOYMENT	162933	\$650,000
Sabin, Jenny	Architecture	NSF -> NSF Directorate for Technology, Innovation and Partnerships	NSF CONVERGENCE ACCELERATOR TRACK M: BIO-INSPIRED SURFACE DESIGN FOR HIGH PERFORMANCE MECHANICAL TRACKING SOLAR COLLECTION SKINS IN ARCHITECTURE	164190	\$650,000

Sardana, Richa	Molecular Medicine	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	MOLECULAR MECHANISMS OF MEMBRANE PROTEIN HOMEOSTASIS AT THE GOLGI	146538	\$109,900
Savransky, Dmitry	Mechanical & Aerospace Engineering	NASA -> Jet Propulsion Laboratory	STARSHADE SCENARIO OPTIONS ANALYSIS FOR LARGE UV/O/IR OBSERVATORY	158067	\$54,827
Schlom, Darrell	Materials Science Engineering	National Science Foundation	MIP: PLATFORM FOR THE ACCELERATED REALIZATION, ANALYSIS, AND DISCOVERY OF INTERFACE MATERIALS (PARADIM)	92356	\$404,700
Schneider, Fred	Computer Science	DOD -> DOD United States Air Force (Through: MIT -> Lincoln Laboratory)	PROPOSAL FOR SUPPORTING COLLABORATION WITH LINCOLN LABORATORY	147912	\$104,567
Sedigh-Sarvestani, Madineh	Neurobiology and Behavior	The E Matilda Ziegler Foundation for the Blind Inc	THE NEURAL DYNAMICS OF SENSORY SUBSTITUTION	168194	\$150,000
Sevier, Carolyn	Molecular Medicine	HHS -> PHS -> NIH -> NIH National Institute of General Medical Sciences	MOLECULAR MECHANISMS OF CELLULAR REDOX SIGNALING	150037	\$1,917,857
Simpson, Kenneth	Clinical Sciences	Farmina Pet Food USA LLC	THE COMPARATIVE ABILITY OF RENAL DIETS TO SUPPORT BODY CONDITION AND RENAL FUNCTION IN CATS WITH EARLY STAGE CHRONIC KIDNEY DISEASE.	166774	\$380,553
Smart, Chris	CALS Cornell AgriTech Fin & Operating	NYS -> NYS ESD -> New York State Division of Science, Technology and Innovation	CENTER OF EXCELLENCE IN FOOD & AGRICULTURAL TECHNOLOGY AT CORNELL AGRITECH	167212	\$5,000,000
Smart, Larry	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2023-2024 HOPS BREEDING	160937	\$300,000
Spitz, Judith	Central Research - Unallocated	ELC -> Estee Lauder Companies Charitable Foundation	PROFESSIONAL READINESS CURRICULUM WITH AN EMPHASIS ON LEADERSHIP FOR WOMEN IN TECH	168950	\$150,000
Steinschneider, Scott	CALS Biological & Environmental Engr	Commonwealth of Massachusetts (Through: Tufts University)	HYDRO RISK PHASE 2	160602	\$472,679
Stokol, Tracy	Population Medicine & Diagnostic Science	AKC -> American Kennel Club Canine Health Foundation	PLASMINOGEN-ACTIVATOR INHIBITOR-1 (PAI-1) AND IMPAIRED FIBRINOLYSIS IN IMMUNE-MEDIATED HEMOLYTIC ANEMIA	140834	\$2,836
Strupp, Barbara	CALS Nutritional Sciences	AEB -> Egg Nutrition Center	MATERNAL CHOLINE AND OFFSPRING COGNITION DURING ADOLESCENCE: IMPLICATIONS FOR INCREASING EGG CONSUMPTION	158051	\$22,745
Stup, Richard	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2023-2024 FARM LABOR SPECIALIST	160905	\$401,000
Thiede, Erik	Chemistry and Chemical Biology	HHS -> PHS -> NIH -> NIH National Institute of Allergy and Infectious Diseases (Through: Weill Cornell Medicine)	DELINEATING CONFORMATIONAL FLEXIBILITY IN MTB PHOSPHOPANTHEINYL TRANSFERASE	168773	\$48,871
Trumbo, Samantha	Center Astrophysics-Planetary Science	National Aeronautics and Space Administration (Through: Association of Universities for Research in Astronomy)	COMPLETE NIRSPEC COVERAGE OF EUROPA'S SURFACE: CO2, SALT HYDRATES, AND THE POTENTIAL FOR UNEXPECTED DISCOVERY	162645	\$194,053

Van Amburgh, Mike	CALS Animal Science	Kemin Industries Inc	EVALUATING RUMINALLY PROTECTED FORMS OF LYSINE TO IMPROVE AMINO ACID BALANCE IN HIGH PRODUCING LACTATING DAIRY CATTLE USING THE CNCPS V6.55 AND V7 PREDICTIONS FOR AMINO ACID REQUIREMENTS	165419	\$235,635
Van Vliet, Krystyn	NORDTECH	National Security Technology Accelerator (Through: SUNY -> The Research Foundation for the State University of New York)	NORDTECH HUB	168922	\$8,615,443
Wang, Meng	CALS Nutritional Sciences	Cancer Research UK (Through: University of Cambridge)	DISCOVERING NEW SOURCES OF ENDOGENOUS DNA DAMAGE AND THEIR CONSEQUENCES IN HAEMATOPOIETIC LINEAGE	160116	\$112,242
Weber, Courtney	CALS School of Integrative Plant Science	NYS -> New York State Department of Agriculture and Markets	2023-2024 BERRY RESEARCH	160903	\$263,000
Weislogel, Andrew	Johnson Art Museum	The Carl and Marilyn Thoma Art Foundation	COLONIAL CONNECTIVITIES: ARTS OF THE SPANISH AMERICAS	164557	\$15,000
Wiedmann, Martin	CALS Food Science	HHS -> PHS -> Centers for Disease Control and Prevention (Through: NYS -> NYSDOH -> Health Research Incorporated)	ELC FOODBORNE ILLNESS CENTERS OF EXCELLENCE	77671	\$327,700
Wilson, Justin	Chemistry and Chemical Biology	HHS -> PHS -> NIH -> NIH National Institute of Biomedical Imaging and Bioengineering	CHELATORS TO ENABLE THERANOSTIC ALPHA PARTICLE RADIOTHERAPEUTIC AGENTS	162648	\$510,580
Wood, Connor	CALS Lab of O - Administration	National Fish And Wildlife Foundation (Through: UWS -> Board of Regents of the University of Wisconsin System on Behalf of the University of Wisconsin-Madison)	MONITORING AND ASSESSING THE EFFECTS OF FUELS TREATMENT ON AVIAN COMMUNITIES IN THE SIERRA NEVADA	157783	\$134,000
Yu, Christina	Operations Research & Information Engr	NSF -> NSF Directorate for Computer and Information Science and Engineering	CAREER: CCF: CIF: RANDOMIZED EXPERIMENTATION FOR SYSTEMS WITH TIME-VARYING DYNAMICS AND NETWORK INTERFERENCE	162212	\$595,357
Yu, Haiyuan	Weill Institute	HHS -> PHS -> NIH -> NIH National Institute on Aging (Through: Cleveland Clinic Foundation)	ALZHEIMER'S DISEASE AND RELATED DEMENTIA-LIKE SEQUELAE OF SARS-COV-2 INFECTION: VIRUS-HOST INTERACTOME, NEUROPATHOBIOLOGY, AND DRUG REPURPOSING	145527	\$857,088
von Schrader, Sarah	Yang Tan Institute	NYS -> New York State Education Department	SPECIAL EDUCATION TECHNICAL ASSISTANCE PARTNERSHIPS (TAPS) FOR TRANSITION AND DATA	164669	\$10,720,024