



MICHIGAN STATE UNIVERSITY
BOARD OF TRUSTEES
Executive Action Summary

Gift, Grant and Contract Report

APPROVED
SEPTEMBER 8, 2023
BOARD OF TRUSTEES
MICHIGAN STATE UNIVERSITY

From: Gift, Grant and Contract Report

Date September 8, 2023

Agenda Item: Gift, Grant and Contract Report

Information

Discussion

Action

Resolution:

BE IT RESOLVED that the Board of Trustees approve acceptance of gifts, grants and contracts as listed in the attached report.

Recommendation:

That the Board of Trustees approve the attached Gift, Grant and Contract Report for the period of May 25, 2023 through August 9, 2023.

Prior Action by BOT: Not applicable.

Responsible Officers: Douglas Gage, Vice President

Summary: See recommendation above.

Background Information:

FY 2023-24 TOTALS:

- a) Gifts, Grants and Contracts only: \$182,730,469
- b) Gifts, Grants and Contracts plus Consignments: \$182,790,077

(Consignments are Non-Cash Gifts and Non-Cash Loans)

Source of Funds: Various sponsors including Federal Government, State of Michigan, Foundation, Association, Industry, Individual Donors/Advancement, and Others as listed in the attachment.

Resource Impact: The report is a compilation of 560 Gifts, Grants and Contracts plus 16 Consignment/Non-Cash Gifts, with a total value of \$182,790,077.

Current Period / Year to Date

Gift & Grant Awards

Meeting Date: 09/08/2023

Current Period: May 25, 2023 - Aug 9, 2023

AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$94,424,045	\$94,424,045	88.2%
State of Michigan	\$1,341,560	\$1,341,560	1.3%
Other	\$4,230,851	\$4,230,851	4.0%
Industry/CO	\$1,912,208	\$1,912,208	1.8%
Foundation	\$4,383,641	\$4,383,641	4.1%
Association	\$763,498	\$763,498	0.7%
Research - Total	\$107,055,802	\$107,055,802	100%
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$37,970,257	\$37,970,257	50.2%
State of Michigan	\$1,918,361	\$1,918,361	2.5%
Other	\$599,651	\$599,651	0.8%
Industry/CO	\$1,902,575	\$1,902,575	2.5%
Foundation	\$1,248,294	\$1,248,294	1.6%
Association	\$16,000	\$16,000	0.0%
Various Donors - Advancement*	\$32,019,529	\$32,019,529	42.3%
Non-Research - Total	\$75,674,667	\$75,674,667	100%
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$132,394,302	\$132,394,302	72.5%
State of Michigan	\$3,259,921	\$3,259,921	1.8%
Other	\$4,830,502	\$4,830,502	2.6%
Industry/CO	\$3,814,782	\$3,814,782	2.1%
Foundation	\$5,631,935	\$5,631,935	3.1%
Association	\$779,498	\$779,498	0.4%
Various Donors - Advancement*	\$32,019,529	\$32,019,529	17.5%
TOTAL	\$182,730,469	\$182,730,469	100%

OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	300	300	66.1%
State of Michigan	10	10	2.2%
Other	60	60	13.2%
Industry/CO	51	51	11.2%
Foundation	25	25	5.5%
Association	8	8	1.8%
Research - Total	454	454	100%
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	63	63	59.4%
State of Michigan	9	9	8.5%
Other	14	14	13.2%
Industry/CO	6	6	5.7%
Foundation	12	12	11.3%
Association	1	1	0.9%
Various Donors - Advancement*	1	1	0.9%
Non-Research - Total	106	106	100%
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	363	363	64.8%
State of Michigan	19	19	3.4%
Other	74	74	13.2%
Industry/CO	57	57	10.2%
Foundation	37	37	6.6%
Association	9	9	1.6%
Various Donors - Advancement*	1	1	0.2%
TOTAL	560	560	100%

*This is philanthropic cash received.

Current Year / Previous Year

Gift & Grant Awards

Meeting Date: 09/08/2023

Current Period: May 25, 2023 - Aug 9, 2023

AWARD TOTALS

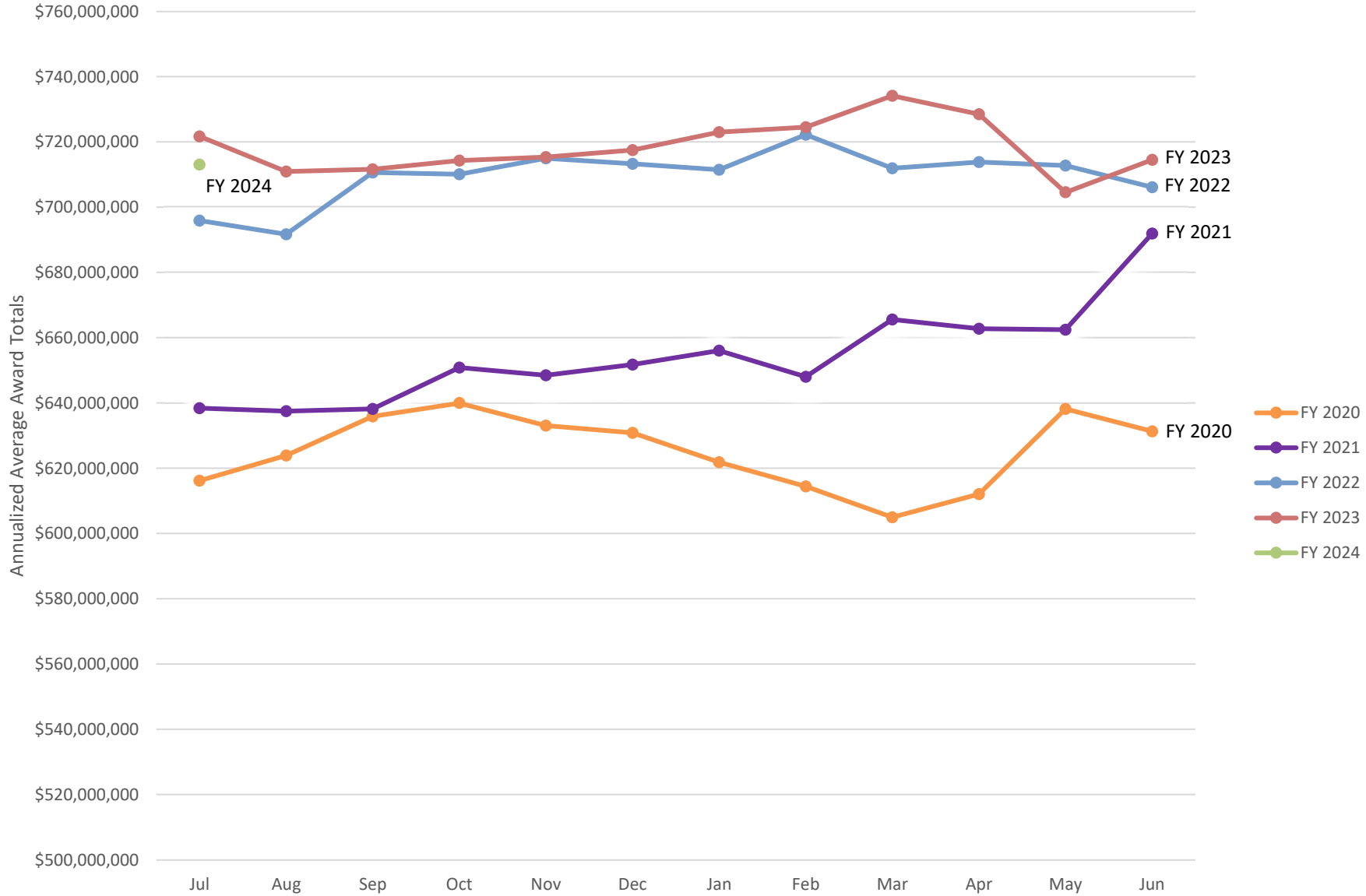
Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$131,854,243	\$94,424,045	-28.4%
State of Michigan	\$1,392,140	\$1,341,560	-3.6%
Other	\$3,140,340	\$4,230,851	34.7%
Industry/CO	\$2,347,159	\$1,912,208	-18.5%
Foundation	\$3,604,179	\$4,383,641	21.6%
Association	\$649,919	\$763,498	17.5%
Research - Total	\$142,987,981	\$107,055,802	-25.1%
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$14,136,713	\$37,970,257	168.6%
State of Michigan	\$141,067	\$1,918,361	1,259.9%
Other	\$1,563,336	\$599,651	-61.6%
Industry/CO	\$109,075	\$1,902,575	1,644.3%
Foundation	\$686,282	\$1,248,294	81.9%
Association	\$224,846	\$16,000	-92.9%
Various Donors - Advancement*	\$31,862,798	\$32,019,529	0.5%
Non-Research - Total	\$48,724,117	\$75,674,667	55.3%
Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change
Federal Government	\$145,990,957	\$132,394,302	-9.3%
State of Michigan	\$1,533,207	\$3,259,921	112.6%
Other	\$4,703,676	\$4,830,502	2.7%
Industry/CO	\$2,456,234	\$3,814,782	55.3%
Foundation	\$4,290,461	\$5,631,935	31.3%
Association	\$874,765	\$779,498	-10.9%
Various Donors - Advancement*	\$31,862,798	\$32,019,529	0.5%
TOTAL	\$191,712,098	\$182,730,469	-4.7%

OF AWARDS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	306	300	-2.0%
State of Michigan	16	10	-37.5%
Other	60	60	0.0%
Industry/CO	51	51	0.0%
Foundation	19	25	31.6%
Association	28	8	-71.4%
Research - Total	480	454	-5.4%
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	64	63	-1.6%
State of Michigan	5	9	80.0%
Other	24	14	-41.7%
Industry/CO	7	6	-14.3%
Foundation	14	12	-14.3%
Association	5	1	-80.0%
Various Donors - Advancement*	1	1	0.0%
Non-Research - Total	120	106	-11.7%
Total			
Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	370	363	-1.9%
State of Michigan	21	19	-9.5%
Other	84	74	-11.9%
Industry/CO	58	57	-1.7%
Foundation	33	37	12.1%
Association	33	9	-72.7%
Various Donors - Advancement*	1	1	0.0%
TOTAL	600	560	-6.7%

*This is philanthropic cash received.

Michigan State University 3 Year Annualized Average Awards



*Award dates based on calendar months (varies from Trustee cycle)

Top 10 Awards for the September 8, 2023 BOT Meeting

Rank	Sponsor Type	Award Amount	Principal Investigator	Sponsor	Department	New or Modification	Award Activity Type	Project Dates	Project Title
1	Federal Government	\$20,000,000	M. Jahi Johnson-Chappell	Agricultural Marketing Service	DEPARTMENT OF COMMUNITY SUSTAINABILITY	New	Public Service	07/01/2023 06/30/2028	Great Lakes Midwest Regional Food Business Center
2	Federal Government	\$4,783,985	Mona Hanna-Attisha	Centers for Disease Control & Prevention	CS MOTT DEPARTMENT OF PUBLIC HEALTH	Modification	Public Service	08/01/2022 07/31/2027	Flint Registry (FR) 2022-2027
3	Federal Government	\$3,851,777	Christoph Benning	US Dept of Energy	PLANT RESEARCH LABORATORY NAT SCIENCE	Modification	Research	12/01/1990 03/31/2024	Photosynthetic Energy Capture, Conversion and Storage: From Fundamental Mechanisms to Modular Engineering
4	Federal Government	\$3,000,000	Gregory Severin	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	09/15/2020 09/14/2025	Accelerator Improvement Project: Isotope Harvesting at FRIB
5	Federal Government	\$3,000,000	Xiaobo Tan	National Science Foundation	ELECTRICAL AND COMPUTER ENGINEERING	New	Education/Instruction	08/01/2023 07/31/2028	NRT-HDR: WaterCube: Big Data Water Science for Sustainability and Equity
6	Federal Government	\$3,000,000	Andreas Stolz	Missile Defense Agency	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	08/19/2022 03/31/2028	Single Event Effect Test Facility Upgrade
7	Federal Government	\$2,999,526	Seung Rhee	National Science Foundation	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	New	Research	10/01/2023 09/30/2027	TRTech-PGR: Establishing a one-stop-shop for plant metabolism annotations and launching a plant enzyme function consortium
8	Federal Government	\$2,908,528	David Douches	US Agency for Intl Development	MSU AGBIORESEARCH DIR OFC	Modification	Research	09/24/2021 09/30/2026	Feed the Future Global Biotech Potato Partnership
9	Federal Government	\$2,097,886	Norbert Kaminski	National Inst of Health	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	Modification	Research	08/30/2022 06/30/2027	Environmental, Microbial and Mammalian Biomolecular Responses to AhR Ligands
10	Federal Government	\$2,000,000	Artemisia Spyrou	National Science Foundation	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	08/01/2022 07/31/2025	Windows on the Universe: Nuclear Astrophysics at FRIB
	TOTAL	\$47,641,702							

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	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
COLLEGE OF AGRICULTURE AND NAT RESOURCES					
1	\$649,999	NATIONAL INST OF FOOD & AGRICULTURE	Caputo, Vincenzina	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	TRUST IN SCIENCE AND ITS COMMUNICATORS; THE RELATIONSHIP BETWEEN TRUST AND CONSUMER DECISION-MAKING FOR NEW AGRI-FOOD BIOTECHNOLOGIES OVER TIME
2	\$20,000	TEXAS A&M UNIV	Carpenter, Craig	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CLIMATE CHANGE IMPACTS ON AGRICULTURAL PRODUCTION, PROCESSING/TRANSPORT COSTS, AND FOOD DOLLAR
3	\$400,000	FOREIGN AGRICULTURAL SERVICE	Maredia, Mywish	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	SUPPORT FOR APPLIED RESEARCH AND ANALYSIS IN KENYA AND EAST AFRICA REGION (SARA-KEA)
4	\$192,343	NATIONAL SCIENCE FOUNDATION	Reardon, Thomas	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	BELMONT FORUM COLLABORATIVE RESEARCH: THE ROLE OF SUPERMARKETS AS KEY AGENTS IN SYSTEMS OF SUSTAINABLE CONSUMPTION AND PRODUCTION
5	\$16,933	MDARD HORTICULTURE FUND	Rutledge, Zachariah	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	FARM LABOR SHORTAGES, MITIGATION STRATEGIES, AND DEMAND FOR H-2A VISA LABOR
6	\$272,462	NATIONAL INST OF HEALTH	Cibelli, Jose	ANIMAL SCIENCE DEPARTMENT ANR	ESTABLISHING AN INTEGRATED PLATFORM FOR DIPLOID GERMLASM CONSERVATION IN ZEBRAFISH (DANIO RERIO) – A&R
7	\$37,699	UNIVERSITY OF WISCONSIN MADISON	Gondro, Cedric	ANIMAL SCIENCE DEPARTMENT ANR	INTEGRATING ENVIROMICS, GENOMICS, AND MACHINE LEARNING FOR PRECISION BREEDING OF RESILIENT BEEF CATTLE
8	\$74,762	NATIONAL INST OF ANIMAL SCIENCE	Gondro, Cedric	ANIMAL SCIENCE DEPARTMENT ANR	DEVELOPMENT OF ADVANCED TECHNOLOGIES TO ESTABLISH A HIGH-QUALITY, HIGHLY PRODUCTIVE JERSEY HERD
9	\$323,691	NATIONAL INST OF HEALTH	Huang, Wen	ANIMAL SCIENCE DEPARTMENT ANR	GENETIC VARIATION AND EVOLUTION OF TRANSLATIONAL CONTROL IN DROSOPHILA
10	\$118,980	NATIONAL INST OF FOOD & AGRICULTURE	Krogstad, Kirby	ANIMAL SCIENCE DEPARTMENT ANR	ADVANCING GUT HEALTH IN DAIRY CATTLE: IMMUNOPHENOTYPING AND INFLAMMATION OF THE RUMEN
11	\$45,000	UNITED SOYBEAN BOARD	Lock, Adam	ANIMAL SCIENCE DEPARTMENT ANR	EVALUATING THE IMPACT OF RAW VS ROASTED HIGH OLEIC ACID SOYBEANS ON THE YIELD OF MILK FAT AND PROTEIN OF HIGH PRODUCING DAIRY COWS
12	\$25,000	DAIRY AUSTRALIA LIMITED	Lock, Adam	ANIMAL SCIENCE DEPARTMENT ANR	RESEARCH GIFT
13	\$98,000	UNITED SOYBEAN BOARD	Lock, Adam	ANIMAL SCIENCE DEPARTMENT ANR	DETERMINING THE POTENTIAL FOR HIGH OLEIC SOYBEAN (HOS) MEAL INCLUSION IN LACTATING DAIRY COW DIETS FOR MAXIMIZING THE YIELDS OF MILK FAT AND PROTEIN

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	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
14	\$52,640	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Rozeboom, Dale	ANIMAL SCIENCE DEPARTMENT ANR	MASS CARCASS COMPOSTING - EDUCATION DAY AND COMPOSTING SCHOOL GRANT
15	\$96,578	IOWA STATE UNIV	Tempelman, Robert	ANIMAL SCIENCE DEPARTMENT ANR	ENABLING INTER-INSTITUTIONAL COLLABORATION IN AG2P USING FEDERATED AND TRANSFER LEARNING
16	\$58,451	NATIONAL INST OF HEALTH	Wang, Yuan	ANIMAL SCIENCE DEPARTMENT ANR	EQUIPMENT PURCHASE REQUEST FOR PARENT R01 - MITOCHONDRIAL DYNAMICS IN SPERMATOGONIAL DIFFERENTIATION
17	\$314,338	NATIONAL INST OF HEALTH	Wang, Yuan	ANIMAL SCIENCE DEPARTMENT ANR	MITOCHONDRIAL DYNAMICS IN SPERMATOGONIAL DIFFERENTIATION
18	\$152,085	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Das, Narendra	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ENHANCEMENT OF SMAP HIGH-RESOLUTION SOIL MOISTURE DATA USING NISAR AND ITS AGRICULTURAL APPLICATION
19	\$750,000	NATIONAL INST OF FOOD & AGRICULTURE	Das, Narendra	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	RESEARCH AND EXTENSION EXPERIENCE FOR UNDERGRADUATES ON REMOTE SENSING SAR DATA FOR AGRICULTURAL APPLICATIONS
20	\$223,044	MISSISSIPPI STATE UNIV	Lu, Yuzhen	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	INNOVATIVE IMAGING UNDER SINUSOIDALLY-MODULATED STRUCTURED ILLUMINATION FOR ENHANCED DETECTION OF DEFECTS AND MICROBIAL CONTAMINATION OF POULTRY MEAT
21	\$90,056	MOTION GRAZER AI	Lu, Yuzhen	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	SWINE AUTOMATIC LAMENESS SENSOR
22	\$20,749	MISSISSIPPI STATE UNIV	Lu, Yuzhen	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	UTILIZE MACHINE VISION TECHNOLOGY TO IMPROVE EFFICIENCY AND REDUCE LABOR OF LOCAL SWEETPOTATO PACKING LINES
23	\$314,841	MISSISSIPPI STATE UNIV	Lu, Yuzhen	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ADVANCING OPTICAL TECHNOLOGIES FOR ENHANCED QUALITY EVALUATION, GRADING AND SORTING OF SWEETPOTATOES
24	\$54,918	AGRICULTURAL RESEARCH SERVICE	Marks, Bradley	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ACQUISITION OF GOODS AND SERVICES
25	\$519,254	GREAT LAKES WATER AUTHORITY	Mitchell, Jade	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	RISK-BASED PRIORITIZATION OF DRINKING WATER CONTAMINANTS
26	\$75,000	KANSAS STATE UNIV	Nejadhashemi, Amirpouyan	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	GEOSPATIAL, FARMING SYSTEMS, AND DIGITAL TOOLS CONSORTIUM – BUILDING A NEW ERA OF PREDICTIVE AGRICULTURAL INNOVATION TO IMPROVE THE LIVELIHOOD OF SMALLHOLDER FARMERS

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	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
27	\$18,000	NATIONAL SCIENCE FOUNDATION	Saffron, Christopher	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	TRAVEL: SYMPOSIUM ON SCIENCE AND TECHNOLOGY DRIVING THE BIOECONOMY 2023
28	\$120,000	LAWRENCE BERKELEY NATIONAL LABORATORY	Bessette, Douglas	DEPARTMENT OF COMMUNITY SUSTAINABILITY	COMMUNITY-CENTERED SOLAR DEVELOPMENT: EXPLORING THE KEY ENABLING COMMUNITY FACTORS, IMPACTS AND OPPORTUNITIES FOR LARGE-SCALE SOLAR PROJECTS
29	\$57,913	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Gensler, Liz	DEPARTMENT OF COMMUNITY SUSTAINABILITY	SPINE MICHIGAN LOCAL FOOD COUNCIL NETWORK
30	\$18,991	NATIONAL INST OF STANDARDS & TECHNOLOGY	Gray, Steven	DEPARTMENT OF COMMUNITY SUSTAINABILITY	IPA AGREEMENT
31	\$88,922	PURDUE UNIV	Johnson, Jennifer	DEPARTMENT OF COMMUNITY SUSTAINABILITY	INTERDISCIPLINARY RESEARCH LEADERS COHORT FIVE - 2020
32	\$20,000,000	AGRICULTURAL MARKETING SERVICE	Johnson-Chappell, M. Jahi	DEPARTMENT OF COMMUNITY SUSTAINABILITY	GREAT LAKES MIDWEST REGIONAL FOOD BUSINESS CENTER
33	\$146,228	ILLINOIS PUBLIC HEALTH INSTITUTE	Matts, Colleen	DEPARTMENT OF COMMUNITY SUSTAINABILITY	SCHOOL FOOD SYSTEM TRANSFORMATION CHALLENGE SUB-GRANTS COOPERATIVE AGREEMENT
34	\$38,311	KANSAS STATE UNIV	Perry, Elizabeth	DEPARTMENT OF COMMUNITY SUSTAINABILITY	UNDERSTANDING THE DRIVERS AND EFFECTS OF RECREATION DISPLACEMENT IN SOUTHERN CALIFORNIA NATIONAL FORESTS
35	\$269,364	NATIONAL SCIENCE FOUNDATION	Chung, Henry	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MOLECULAR AND EVOLUTIONARY MECHANISMS UNDERLYING DESICCATION RESISTANCE ACROSS DROSOPHILA SPECIES
36	\$327,826	ECONOMIC RESEARCH SERVICE	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	ASSESSING FUTURE PROSPECTS FOR AGRICULTURAL BIOTECHNOLOGY ADOPTION AND TRADE IN AFRICA AND ITS POTENTIAL WELFARE IMPLICATIONS
37	\$39,700	BEE INFORMED PARTNERSHIP INC	Milbrath, Meghan	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MICHIGAN STATE UNIVERSITY/MICHIGAN TECHNICAL TRANSFER TEAM TO MONITOR COLONY HEALTH
38	\$169,507	NATIONAL INST OF FOOD & AGRICULTURE	Miller, Sharron	ENTOMOLOGY AGRICULTURE AND NATURAL RES	CONNECTING NATIVE BEE COMMUNITIES, LAND MANAGEMENT, AND HUMAN INTERACTIONS
39	\$24,370	MORGAN COMPOSTING INC	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MORGAN COMPOSTING - RES. GIFT

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40	\$102,000	USDA FOREST SERVICE	Szucs, Marianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EMERALD ASH BORER PARASITOID IMPACTS IN WHITE ASH STANDS
41	\$9,000	NORTH AMERICAN LILY SOCIETY	Szucs, Marianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BIOLOGICAL CONTROL OF LILY LEAF BEETLE IN MICHIGAN
42	\$37,982	NATIONAL SCIENCE FOUNDATION	Wetzel, William	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RCN: THE HERBIVORY VARIABILITY NETWORK: EXPANDING BEYOND THE MEAN TO EMBRACE HIGHER MOMENTS IN THE ECOLOGY AND EVOLUTION OF SPECIES INTERACTIONS
43	\$20,000	MICHIGAN APPLE COMMITTEE	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	2022 APPLE ENTOMOLOGY RESEARCH
44	\$20,742	MICHIGAN APPLE COMMITTEE	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TREE FRUIT INTEGRATOR POSITION
45	\$20,000	BAYER CROPSCIENCE	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BAYER TESTING (MICHIGAN SERVICE ORDER 110) - TESTING BAYER INSECTICIDES AGAINST TREE FRUIT SCALE INSECTS
46	\$146,787	VARIOUS FOUNDATIONS	Belant, Jerrold	FISHERIES AND WILDLIFE	JERRY BELANT RESEARCH GIFTS
47	\$1,599,400	NATIONAL SCIENCE FOUNDATION	Bennett, Abigail	FISHERIES AND WILDLIFE	DISES: SOCIO-ENVIRONMENTAL TRANSFORMATION AND CHANGE FOLLOWING SYSTEM COLLAPSE
48	\$13,011	GREAT LAKES FISHERY COMMISSION	Brenden, Travis	FISHERIES AND WILDLIFE	GLFC SUPPORT FOR QFC
49	\$70,000	GREAT LAKES FISHERY COMMISSION	Infante, Dana	FISHERIES AND WILDLIFE	SUPPORT FOR THE GREAT LAKES AQUATIC HABITAT FRAMEWORK
50	\$40,000	GREAT LAKES FISHERY COMMISSION	Jones, Michael	FISHERIES AND WILDLIFE	GREAT LAKES FISHERY COMMISSION SUPPORT FOR THE QUANTITATIVE FISHERIES CENTER
51	\$244,200	MICHIGAN DEPT OF NATURAL RESOURCES	Kramer, Daniel	FISHERIES AND WILDLIFE	AN EVALUATION OF MICHIGAN'S COLLABORATIVE GOVERNANCE MODEL FOR INVASIVE SPECIES
52	\$30,000	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Latimore, Jo	FISHERIES AND WILDLIFE	EXOTIC AQUATIC PLANT WATCH (EAPW) III: AQUATIC INVASIVE SPECIES EDUCATION
53	\$35,108	NATIONAL SCIENCE FOUNDATION	Liu, Jianguo (Jack)	FISHERIES AND WILDLIFE	COLLABORATIVE RESEARCH: COMPLEX EFFECTS OF TELECOUPLED ACTIVITIES IN THE CHANGING ENVIRONMENT OF THE ARCTIC

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	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
54	\$90,882	MICHIGAN DEPT OF NATURAL RESOURCES	Loch, Thomas	FISHERIES AND WILDLIFE	DEVELOPMENT AND IMPLEMENTATION OF A FISH HEALTH INITIATIVE FOR MICHIGAN INLAND AND GREAT LAKES FISHERIES
55	\$32,336	MISSISSIPPI STATE UNIV	Loch, Thomas	FISHERIES AND WILDLIFE	IDENTIFICATION OF NOVEL FLAVOBACTERIUM COLUMNARE VACCINE CANDIDATES FOR CATFISH AND OTHER AQUACULTURE FISH SPECIES IN THE SOUTHERN REGION
56	\$50,000	NATIONAL INST OF FOOD & AGRICULTURE	Murphy, Cheryl	FISHERIES AND WILDLIFE	PFAS: CURRENT KNOWLEDGE AND APPLICATION FOR AGRICULTURAL PRODUCTION
57	\$9,176	US GEOLOGICAL SURVEY	Owen, Jennifer	FISHERIES AND WILDLIFE	RESEARCH MANAGEMENT AND COMMUNICATION PERTAINING TO CONSERVATION GENETICS AND BIODIVERSITY OF AQUATIC SPECIES WITHIN THE GREAT LAKES BASIN
58	\$101,839	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rose, Joan	FISHERIES AND WILDLIFE	SARS-COV-2 EPIDEMIOLOGY – WASTEWATER EVALUATION AND REPORTING (SEWER) NETWORK
59	\$62,970	GREAT LAKES FISHERY COMMISSION	Scott, Anne	FISHERIES AND WILDLIFE	DETERMINE THE EFFICACY OF 3KPZS ANTAGONISTS SYNTHESIZED THROUGH MEDICINAL CHEMISTRY OPTIMIZATION
60	\$37,670	US FISH & WILDLIFE SERVICE	Scribner, Kim	FISHERIES AND WILDLIFE	LAKE STURGEON MOLECULAR SEXING
61	\$299,086	UNIVERSITY OF WISCONSIN	Tsao, Jean	FISHERIES AND WILDLIFE	MIDWEST CENTER OF EXCELLENCE FOR VECTOR-BORNE DISEASE
62	\$110,289	GREAT LAKES FISHERY COMMISSION	Vandergoot, Christopher	FISHERIES AND WILDLIFE	ECOLOGY AND POPULATION DYNAMICS OF LAKE ERIE PERCIDS
63	\$92,107	GREAT LAKES FISHERY COMMISSION	Wagner, Michael	FISHERIES AND WILDLIFE	DEVELOPMENT OF A PROTOTYPE TWO-CHANNEL FISHWAY THAT SELECTIVELY EXCLUDES AND REMOVES SEA LAMPREY
64	\$47,333	TEXAS A&M UNIV	Bergholz, Teresa	FOOD SCIENCE AND HUM NUTRITION ANR	VALIDATION OF MICROBIAL PATHOGEN CONTROL ON DRIED RTE SAUSAGES BY NOVEL ANTIMICROBIAL AND MATHEMATICAL APPROACHES.
65	\$21,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Bergholz, Teresa	FOOD SCIENCE AND HUM NUTRITION ANR	FY2023 FOOD EMERGENCY RESPONSE NETWORK
66	\$222,031	GREENACRES FOUNDATION	Fenton, Jenifer	FOOD SCIENCE AND HUM NUTRITION ANR	EGG PHYTOCHEMICAL/PHENOL SECONDARY ANALYSIS
67	\$33,443	NATIONAL INST OF HEALTH	Pestka, James	FOOD SCIENCE AND HUM NUTRITION ANR	ROLE OF ALVEOLAR MACROPHAGE IN OMEGA-3 FATTY ACID AMELIORATION OF SILICA-TRIGGERED AUTOIMMUNITY
68	\$14,656	TUFTS UNIV	Wu, Felicia	FOOD SCIENCE AND HUM NUTRITION ANR	FOOD SYSTEMS FOR NUTRITION INNOVATION LAB (FSN-IL)

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69	\$100,000	USDA FOREST SERVICE	Finley, Andrew	FORESTRY	SMALL AREA ESTIMATION METHODS AND TOOL DEVELOPMENT FOR CARBON MONITORING IN INTERIOR ALASKA
70	\$169,273	NATIONAL FISH & WILDLIFE FOUNDATION	Huff, Emily	FORESTRY	BRANCHING OUT: HELPING FARMERS IMPLEMENT CONSERVATION PRACTICES, TAP INTO EMERGING MARKETS, DIVERSIFY LAND MANAGEMENT, AND GROW NEW NETWORKS
71	\$9,000	MICROSOFT CORP	Maloney, Kathryn	FORESTRY	MICROSOFT + FCVP: DATACENTER COMMUNITY DEVELOPMENT RENDERINGS
72	\$20,000	NATIONAL ALLIANCE OF FOREST OWNERS	Maloney, Kathryn	FORESTRY	NAFO WILDFIRE AND ACTIVE FOREST MANAGEMENT LITERATURE REVIEW
73	\$10,500	MICHIGAN CHERRY COMMITTEE	Baird, William	HORTICULTURE ANR	CHERRY SCION VARIETIES AND BREEDING LINES
74	\$639,998	NATIONAL SCIENCE FOUNDATION	Chitwood, Daniel	HORTICULTURE ANR	COLLABORATIVE RESEARCH: RESEARCH-PGR: PREDICTING PHENOTYPE FROM MOLECULAR PROFILES WITH DEEP LEARNING: USING TOPOLOGICAL DATA ANALYSIS TO ADDRESS A GRAND CHALLENGE IN THE PLANT SCIENCES
75	\$15,064	MDARD HORTICULTURE FUND	Cregg, Bert	HORTICULTURE ANR	IMPROVING CONIFER PLANTATION ESTABLISHMENT: IMPACTS OF SEEDLING QUALITY AND PRE-PLANT TREATMENTS
76	\$17,000	MDARD HORTICULTURE FUND	Fernandez, Rodney	HORTICULTURE ANR	SEEDING NEW BIOREACTORS FROM AN ESTABLISHED BIOREACTOR FOR RAPID AND ENHANCED FUNCTIONALITY
77	\$101,131	KOPESS BIOMASS SOLUTIONS LLC	Han, Kyung-Hwan	HORTICULTURE ANR	ELITETREE BIOMASS TREE CROP TECHNOLOGY
78	\$42,500	AMER FLORAL ENDOWMENT	Lopez, Roberto	HORTICULTURE ANR	DEVELOPING FOLIAGE STOCK PLANT AND PROPAGATION PROTOCOLS FOR TEMPERATE CLIMATES
79	\$11,003	MDARD HORTICULTURE FUND	Saha, Debalina	HORTICULTURE ANR	ASSESSING BIOPESTICIDAL PROPERTIES OF ORGANIC MULCHES FOR LIVERWORT CONTROL IN NURSERY CONTAINER PRODUCTION
80	\$52,662	VALENT BIOSCIENCES CORP	Vanderweide, Josh	HORTICULTURE ANR	UNRESTRICTED GIFT IN SMALL BERRY CROP RESEARCH
81	\$29,711	MICHIGAN CRAFT BEVERAGE COUNCIL	Vannocker, Steven	HORTICULTURE ANR	NEW APPLE VARIETIES FOR MICHIGAN HARD CIDER PRODUCTION
82	\$10,000	AAMI FOUNDATION	Bix, Laura	PACKAGING	THE EFFECT OF COLOR, SYMBOL, TEXT AND PACKAGE MORPHOLOGY ON THE ABILITY OF HEALTHCARE PROFESSIONALS TO DETECT OPENING FEATURES IN STERILE BARRIER PACKAGING FOR MEDICAL DEVICES
83	\$61,667	AGRICULTURAL RESEARCH SERVICE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	ESTABLISHING THE INFRASTRUCTURE TO DEVELOP PREDICTION TOOLS FOR DISEASES AND MYCOTOXINS AFFECTING CORN TO BETTER INFORM MANAGEMENT DECISIONS
84	\$48,000	MICHIGAN CRAFT BEVERAGE COUNCIL	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	META ANALYSIS AND DIAGNOSTICS TO IMPROVE HOP AND BARLEY QUALITY THROUGH IMPROVED LATE SEASON DISEASE MANAGEMENT

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85	\$12,000	MICHIGAN TURFGRASS FOUNDATION	Frank, Kevin	PLANT SOIL AND MICROBIAL SCIENCES	2022 - 2023 TURFGRASS RESEARCH
86	\$67,276	AGRICULTURAL RESEARCH SERVICE	Gomez, Francisco	PLANT SOIL AND MICROBIAL SCIENCES	IMPROVED WHITE MOLD RESISTANCE IN DRY AND SNAP BEANS THROUGH MULTI-SITE SCREENING THROUGHOUT MAJOR PRODUCTION AREAS
87	\$179,568	CLEMSON UNIV	Hammerschmidt, Raymond	PLANT SOIL AND MICROBIAL SCIENCES	SOLUTIONS TO THE ARMILLARIA ROOT ROT THREAT AFFECTING THE U.S. STONE FRUIT INDUSTRY
88	\$86,782	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
89	\$9,492	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
90	\$124,447	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
91	\$34,619	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
92	\$749,999	NATIONAL INST OF FOOD & AGRICULTURE	Kravchenko, Alexandra	PLANT SOIL AND MICROBIAL SCIENCES	SHIFTING PRECIPITATION PATTERNS IN THE U.S. MIDWEST AND THEIR INFLUENCE ON SOIL HEALTH
93	\$197,500	POTATOES USA	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	NATIONAL CHIP POTATO VARIETY COMMERCIALIZATION PROGRAM MANAGEMENT
94	\$48,000	MICHIGAN CRAFT BEVERAGE COUNCIL	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	FIELD SCALE MANAGEMENT OF LATE SEASON CLUSTER ROTS TO INCREASE CROP QUALITY OF MICHIGAN WINE GRAPES
95	\$15,000	LEHIGH AGRICULTURE & BIOLOGICAL SERVICES INC	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	GIFT TO SUPPORT RESEARCH PROGRAM
96	\$12,000	NUFARM AMERICAS INC	Nikolai, Thomas	PLANT SOIL AND MICROBIAL SCIENCES	RESEARCH GIFT FROM NUFARM PRODUCTS
97	\$12,000	MICHIGAN TURFGRASS FOUNDATION	Rogers, John	PLANT SOIL AND MICROBIAL SCIENCES	2022 - 2023 TURFGRASS RESEARCH
98	\$56,450	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rose, Joan	PLANT SOIL AND MICROBIAL SCIENCES	MICHIGAN STATEWIDE WASTEWATER CONFERENCE
99	\$32,887	MICHIGAN CHERRY COMMITTEE	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	ISOLATION AND ANALYSIS OF BACTERIOPHAGE TARGETING THE BACTERIAL CANKER PATHOGEN PSEUDOMONAS SYRINGAE: POTENTIAL FOR BIOCONTROL

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100	\$31,250	MICHIGAN CRAFT BEVERAGE COUNCIL	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	INVESTIGATION OF APPLE FRUIT ROT CONTROL AND OF THE DIVERSITY OF WILD YEAST POPULATIONS ON CIDER AND DESSERT APPLE VARIETIES AND OUTCOMES ON FERMENTATION
101	\$400,000	NATIONAL SCIENCE FOUNDATION	Thomashow, Michael	PLANT SOIL AND MICROBIAL SCIENCES	RESEARCH PGR: THE TEMPERATURE-IMMUNITY NEXUS: ACTIVATION OF IMMUNITY BY LOW TEMPERATURE
102	\$12,000	MICHIGAN TURFGRASS FOUNDATION	Vargas, Joseph	PLANT SOIL AND MICROBIAL SCIENCES	2022 - 2023 TURFGRASS RESEARCH
103	\$77,766	AGRICULTURAL RESEARCH SERVICE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPING SOYBEAN VARIETIES WITH RESISTANCE TO SCLEROTINIA STEM ROT
104	\$112,183	US ARMY CORPS OF ENGINEERS	Cui, Yue	SCHOOL OF PLANNING DES CONSTRUCTION ANR	ALGORITHM FOR INVENTORY AND SPATIAL ANALYSIS IN NATURAL RESOURCES MANAGEMENT, INSTITUTE FOR WATER RESOURCES
105	\$99,000	DETROIT POLICE DEPARTMENT	Nubani, Linda	SCHOOL OF PLANNING DES CONSTRUCTION ANR	BUILD PUBLIC TRUST AND REDUCE VIOLENT CRIME IN DETROIT'S 10TH PRECINCT
106	\$378,826	NATIONAL SCIENCE FOUNDATION	Zhao, Dong	SCHOOL OF PLANNING DES CONSTRUCTION ANR	SRS: U.S.-CHINA: INFRASTRUCTURE-DRIVEN DECISION SYSTEM FOR SUSTAINABLE AND EQUITABLE URBAN-RURAL DEVELOPMENT
107	\$235,720	ERB FAMILY FOUNDATION	Asher, Jeremiah	WATER RESEARCH INSTITUTE ANR	IMPROVING WATER QUALITY MONITORING CAPACITY IN THE WESTERN BASIN OF LAKE ERIE
COLLEGE OF ARTS AND LETTERS					
108	\$23,762	NATIONAL ENDOWMENT FOR THE HUMANITIES	Fitzpatrick, Kathleen	AL RESEARCH AND SCHOLARSHIP	HUMANITIES COMMONS
109	\$96,670	NATIONAL SCIENCE FOUNDATION	Rinkus, Marisa	AL RESEARCH AND SCHOLARSHIP	ACCELNET ECR PROFESSIONAL DEVELOPMENT WORKSHOP - SUPPLEMENT TO BUILDING CAPACITY FOR INTERNATIONAL NETWORK-TO-NETWORK COLLABORATION
110	\$168,927	US DEPT OF EDUCATION	Kronenberg, Felix	CENTER FOR LANGUAGE TEACHING ADVANCEMENT	NATIONAL LESS COMMONLY TAUGHT LANGUAGES RESOURCE CENTER
111	\$11,635	BRANDEIS UNIVERSITY	Yares, Laura	RELIGIOUS STUDIES	JEWISH LEARNING THROUGH THE CULTURAL ARTS
112	\$500,000	THE MELLON FOUNDATION	Boyles, Christina	WRITING, RHETORIC, AND CULTURES	ARCHIVO DE RESPUESTAS EMERGENCIAS DE PUERTO RICO (AREPR)
ELI BROAD COLLEGE OF BUSINESS					
113	\$81,750	CARNEGIE MELLON UNIV	Susarla, Anjana	ACCOUNTING AND INFORMATION SYSTEMS	LEVERAGING YOUTUBE VIDEO ANALYTICS FOR PATIENT EDUCATION: A DIGITAL THERAPY TOOL FOR CLINICIANS TO RETRIEVE AND SHARE UNDERSTANDABLE VIDEOS ON CHRONIC DISEASE MANAGEMENT

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114	\$303,054	ARIZONA STATE UNIV	Lim, Stanley	DEPARTMENT OF SUPPLY CHAIN MANAGEMENT	FOOD SUPPLY CHAIN DISRUPTIONS: MARKET-BASED RESILIENCE STRATEGIES
115	\$290,000	US ARMY RESEARCH INST FOR THE BEHAVIORAL & SOCIAL SCIENCES	Hollenbeck, John	MANAGEMENT	TASK INTERDEPENDENCE IN MULTITEAM SYSTEMS: SYNERGY, PROCESS LOSS AND THE MODERATING IMPACT OF COMMUNICATION AND TEAM MEMBER DIVERSITY (RESEARCH AREA: UNDERSTANDING TEAM DYNAMICS)
COLLEGE OF COMMUNICATION ARTS SCIENCES					
116	\$87,439	CENTERS FOR DISEASE CONTROL & PREVENTION	Dearing, James	COMMUNICATION	CDC - 22IPA2111288 MOD 2
117	\$645,049	NATIONAL INST OF HEALTH	Deliyski, Dimitar	COMMUNICATIVE SCIENCES DISORDERS CAS	TOWARDS PRECISION ASSESSMENT OF DYSPHONIC SPEECH: FROM VOCAL FOLD PHYSIOLOGY TO PERCEPTION
118	\$162,000	NATIONAL INST OF HEALTH	Searl, Jeffrey	COMMUNICATIVE SCIENCES DISORDERS CAS	TRACHEOSTOMY AND LARYNGECTOMY CARE: VIRTUAL REALITY TRAINING FOR HEALTH PROFESSIONALS
119	\$623,149	NATIONAL INST OF HEALTH	Walsh, Bridget	COMMUNICATIVE SCIENCES DISORDERS CAS	DEVELOPMENTAL TRAJECTORIES TO STUTTERING PERSISTENCE AND RECOVERY
120	\$6,895	NATIONAL INST OF HEALTH	Walsh, Bridget	COMMUNICATIVE SCIENCES DISORDERS CAS	DEVELOPMENTAL TRAJECTORIES TO STUTTERING PERSISTENCE AND RECOVERY
121	\$448,846	NATIONAL INST OF HEALTH	Yaruss, J Scott	COMMUNICATIVE SCIENCES DISORDERS CAS	STUTTERING IN THE REAL WORLD: QUANTIFYING VARIABILITY TO IMPROVE MEASUREMENT RELIABILITY AND VALIDITY
122	\$69,500	MIAMI FOUNDATION	Brown, Danielle	JOURNALISM	COMBATting DISINFORMATION IN COMMUNITIES OF COLOR
123	\$303,676	NATIONAL SCIENCE FOUNDATION	Takahashi, Bruno	JOURNALISM	COLLABORATIVE RESEARCH: BROADENING PARTICIPATION AMONG SCIENCE COMMUNICATION PRACTITIONERS: SCIENCE COMMUNICATION AND REPRESENTATION FELLOWSHIP (SCARF)
124	\$242,263	FEDERAL COMMUNICATION COMMISSION	Bauer, Johannes	MEDIA AND INFORMATION	JOHANNES BAUER FCC IPA
125	\$27,801	UNIVERSITY OF WISCONSIN MILWAUKEE	Campos-Castillo, Celeste	MEDIA AND INFORMATION	AUTISM BRILLIANCE LABORATORY FOR ENTREPRENEURSHIP (ABLE)
COLLEGE OF EDUCATION					

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126	\$100,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH SPEC EDUC	IMPROVING SERVICE DELIVERY FOR CHILDREN WITH SED
127	\$34,000	CLINTON COUNTY REGIONAL EDUCATIONAL SERVICE AGENCY	Fisher, Marisa	COUNSELING, EDUC PSYCH SPEC EDUC	CLINTON COUNTY RESA CONTRACT YEAR 3
128	\$374,231	INST OF EDUCATION SCIENCES	Frank, Kenneth	COUNSELING, EDUC PSYCH SPEC EDUC	QUANTIFYING THE ROBUSTNESS OF CAUSAL INFERENCES: EXTENSIONS AND APPLICATION TO EXISTING DATABASES
129	\$347,200	UNIVERSITY OF TEXAS AT AUSTIN	Schmidt, William	COUNSELING, EDUC PSYCH SPEC EDUC	TEXAS MINDSET INITIATIVE PT. 2 (EXPANSION)
130	\$438,112	US DEPT OF EDUCATION	Truckenmiller, Adrea	COUNSELING, EDUC PSYCH SPEC EDUC	WRITING ARCHITECT: A WEB-BASED TOOL FOR ADAPTING WRITING INSTRUCTION TO MEET STUDENTS' NEEDS
131	\$200,000	APPLE	Yadav, Aman	COUNSELING, EDUC PSYCH SPEC EDUC	CREATIVITY AND COMPUTING IN DETROIT
132	\$34,171	VARIOUS SCHOOLS	Beverly, Bryan	EDUCATION DEAN	K-12 SCHOOL IMPROVEMENT TRAINING
133	\$499,501	SPENCER FOUNDATION	Cox, Brad	EDUCATIONAL ADMINISTRATION	POSTSECONDARY EDUCATION: AUTISTIC COLLEGE STUDENTS' EXPERIENCES OF SUCCESS (PEACES)
134	\$5,699	RECARO AUTOMOTIVE	Ferguson, David	KINESIOLOGY ED	INFLUENCE OF SEATING POSITION ON DRIVING PERFORMANCE
135	\$52,890	NATIONAL INST OF HEALTH	Harkey, Matthew	KINESIOLOGY ED	WALK THIS WAY: PHYSICAL ACTIVITY AND WALKING BIOMECHANICS LEAD TO EARLY KNEE OA SYMPTOMS AND ULTRASOUND-DETECTED STRUCTURAL PATHOLOGY AFTER ACL RECONSTRUCTION
136	\$7,385	IOWA STATE UNIV	Vazou, Spyridoula	KINESIOLOGY ED	BUILDING CAPACITY FOR STAFF AND STUDENT MENTAL HEALTH PROGRAMMING: A PARTNERSHIP BETWEEN SWITCH AND THE HEALTHIEST STATE INITIATIVE
137	\$216,298	NATIONAL SCIENCE FOUNDATION	Dominguez, Higinio	TEACHER EDUCATION	COLLABORATIVE RESEARCH: DEVELOPING TEACHER LEARNING THEORY WITH TEACHERS AND STUDENTS ANIMATING MATHEMATICAL CONCEPTS
138	\$15,999	AMER COUNCILS FOR INTL EDUCATION	Hartman, Douglas	TEACHER EDUCATION	IMPROVING COLLABORATIVE TECHNOLOGY USE IN THE RUSSIAN FAR EAST: A VIRTUAL PARTNERSHIP FOR CO-DEVELOPING AN INNOVATIVE & SUSTAINABLE TECHNOLOGY CURRICULUM
139	\$220,000	NATIONAL SECURITY AGENCY	Li, Jiahang	TEACHER EDUCATION	MSU STARTALK FOR CHINESE LANGUAGE TEACHERS: UNIT PLAN AND ASSESSMENT
140	\$74,638	SPENCER FOUNDATION	Rodríguez, Noreen	TEACHER EDUCATION	"INVISIBILITY IS NOT A NATURAL STATE FOR ANYONE!": LESSONS LEARNED FROM THE FIGHT FOR ASIAN AMERICAN CURRICULAR INCLUSION

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	COLLEGE OF ENGINEERING				
141	\$562,977	NATIONAL INST OF HEALTH	Gilad, Assaf	BIOMEDICAL ENGINEERING	EVOLUTION AND OPTIMIZATION OF SYNTHETIC <READ/WRITE> FUNCTION FROM AND INTO CELLS USING GENETIC PROGRAMMING
142	\$41,375	NATIONAL INST OF HEALTH	Netzley, Alesa	BIOMEDICAL ENGINEERING	ASSESSMENT OF BEHAVIORAL DEFICITS IN MINIPIG MODEL OF PEDIATRIC CONCUSSION
143	\$130,164	NATIONAL SCIENCE FOUNDATION	Cheng, Shiwang	CHEMICAL ENGINEERING AND MATERIALS SCI	SPATIAL GRADIENTS IN DYNAMICS OF NEAR-INTERFACE POLYMERS: EXPERIMENTS AND THEORY
144	\$109,590	PENNSYLVANIA STATE UNIV	Hickner, Michael	CHEMICAL ENGINEERING AND MATERIALS SCI	FAST AND COOPERATIVE ION TRANSPORT IN POLYMER-BASED ELECTROLYTES (FACT)
145	\$156,758	NATIONAL INST OF HEALTH	Szczepanski, Caroline	CHEMICAL ENGINEERING AND MATERIALS SCI	REINFORCING DENTAL ADHESIVES WITH MONOMERS CAPABLE DYNAMIC REARRANGEMENT AND SELF-RECOVERY
146	\$186,180	NATIONAL SCIENCE FOUNDATION	Szczepanski, Caroline	CHEMICAL ENGINEERING AND MATERIALS SCI	COLLABORATIVE RESEARCH: GEL RUPTURE UNDER SIMPLE AND DYNAMIC LOADING: MANIPULATION OF FAILURE MODE VIA PATTERNED HETEROGENEITY IN SOFT MATERIALS
147	\$50,000	FORD MOTOR CO	Ancil, Annick	CIVIL AND ENVIRONMENTAL ENGINEERING	ASSESSING CARBON FOOTPRINT OF 100% RECYCLED AUTOMOTIVE PLASTIC
148	\$235,000	MINNESOTA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	NOVEL DURABILITY SCREENING METHOD FOR STABILIZED GEOMATERIALS
149	\$44,436	NATIONAL SCIENCE FOUNDATION	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	COLLABORATIVE RESEARCH: NNA RESEARCH: RESPONDING TO ENERGY INSECURITY IN ARCTIC HOUSING USING A COMMUNITY-BASED PARTICIPATORY RESEARCH
150	\$133,489	TEXAS A&M ENGINEERING EXPERIMENT STATION	Congress, Surya Sarat Chandra	CIVIL AND ENVIRONMENTAL ENGINEERING	AUTOMATED AND ROBOTIC INSPECTION OF FLOOD CONTROL
151	\$68,160	MINNESOTA DEPT OF TRANSPORTATION	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	RIGHT TURN LANE SAFETY IMPROVEMENTS FOR PEDESTRIANS
152	\$196,478	MICHIGAN DEPT OF TRANSPORTATION	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	OPTIMIZING WORK ZONE CONDITIONS TO MAXIMIZE SAFETY AND MOBILITY
153	\$12,400	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Ghamami, Mehrnaz	CIVIL AND ENVIRONMENTAL ENGINEERING	OPTIMIZE PLACEMENT OF LIGHT-DUTY ELECTRIC VEHICLE FAST-CHARGING INFRASTRUCTURE ACROSS MICHIGAN CONSIDERING STATE REQUIREMENTS AND IN ALIGNMENT WITH NATIONAL ELECTRIC VEHICLE INFRASTRUCTURE PROGRAM

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154	\$402,904	MICHIGAN DEPT OF TRANSPORTATION	Haider, Syed	CIVIL AND ENVIRONMENTAL ENGINEERING	PAVEMENT ME REHABILITATION DESIGN PROTOCOLS FOR MDOT IMPLEMENTATION
155	\$567,588	NATIONAL CENTER FOR MANUFACTURING SCIENCE	Haq, Mahmoodul	CIVIL AND ENVIRONMENTAL ENGINEERING	THERMAL SPRAY COATINGS FOR MAINTENANCE AND SUSTAINMENT OF VEHICLES
156	\$162,800	AMER CONCRETE INST	Kodur, Venkatesh	CIVIL AND ENVIRONMENTAL ENGINEERING	STRATEGIES FOR ENHANCING FIRE RESISTANCE OF POLYMER CONCRETE
157	\$187,917	US GEOLOGICAL SURVEY	Mantha, Phanikumar	CIVIL AND ENVIRONMENTAL ENGINEERING	HYDRODYNAMIC SUPPORT FOR COASTAL ECOSYSTEM RESTORATION
158	\$800,000	NATIONAL SCIENCE FOUNDATION	Pokhrel, Yadu	CIVIL AND ENVIRONMENTAL ENGINEERING	CAS-CLIMATE: TO IRRIGATE OR NOT? ASSESSING CLIMATE CHANGE ADAPTATION FOR SUSTAINABLE WATER-AGRICULTURE SYSTEMS IN THE MISSISSIPPI RIVER BASIN
159	\$116,222	NATIONAL SCIENCE FOUNDATION	Pokhrel, Yadu	CIVIL AND ENVIRONMENTAL ENGINEERING	BELMONT FORUM COLLABORATIVE RESEARCH: BIOSPHERE AND LAND USE EXCHANGES WITH GROUNDWATER AND SOILS IN EARTH SYSTEM MODELS (BLUEGEM)
160	\$35,000	US DEPT OF STATE	Pokhrel, Yadu	CIVIL AND ENVIRONMENTAL ENGINEERING	PEGASUS: PROMOTING ENGINEERING GRADUATE STUDIES IN THE UNITED STATES AMONG JAPANESE STUDENTS
161	\$300,000	MICHIGAN DEPT OF TRANSPORTATION	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	IDENTIFY BEST LOCATIONS FOR NEW FLEX-ROUTE PROJECTS THROUGHOUT THE STATE OF MICHIGAN
162	\$108,011	MINNESOTA DEPT OF TRANSPORTATION	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	IMPROVING SAFETY FOR PEOPLE WALKING AND BIKING AT ROUNDABOUTS
163	\$30,000	ARGONNE NATIONAL LABORATORY	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	INTEGRATING OPTIMAL ELECTRIC VEHICLE CHARGING INFRASTRUCTURE FOR LIGHT- TO HEAVY-DUTY VEHICLE CLASSES INTO POLARIS FOR METROPOLITAN AREAS
164	\$420,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Xagorarakis, Irene	CIVIL AND ENVIRONMENTAL ENGINEERING	WASTEWATER SURVEILLANCE AT THE GREAT LAKES WATER AUTHORITY (GLWA) WATER RESOURCE RECOVERY FACILITY (WRRF) AND AT SELECT LOCATIONS IN WAYNE, MACOMB AND OAKLAND COUNTIES: SARS-COV-2 AND VARIANT
165	\$70,000	WEST VIRGINIA UNIVERSITY RESEARCH CORP	Boddeti, Vishnu	COMPUTER SCIENCE AND ENGINEERING	FULLY HOMOMORPHIC ENCRYPTION IN BIOMETRICS: PHASE 2

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166	\$239,960	NATIONAL SCIENCE FOUNDATION	Bonakdarpour, Borzoo	COMPUTER SCIENCE AND ENGINEERING	EAGER: CAUSAL ANALYSIS THROUGH FORMAL REASONING AND AI FOR CANCER DIAGNOSTICS
167	\$65,591	HENRY FORD HEALTH SYSTEM	Ghassemi, Mohammad	COMPUTER SCIENCE AND ENGINEERING	DEVELOPMENT AND IMPLEMENTATION OF MACHINE LEARNING BASED NOVEL CLINICAL DECISION SUPPORT TOOL FOR LUNG CANCER PATIENTS
168	\$87,000	NATIONAL SCIENCE FOUNDATION	Kordjamshidi, Parisa	COMPUTER SCIENCE AND ENGINEERING	CAREER: COMBINING LEARNING AND REASONING FOR SPATIAL LANGUAGE UNDERSTANDING
169	\$592,500	OFFICE OF NAVAL RESEARCH	Kordjamshidi, Parisa	COMPUTER SCIENCE AND ENGINEERING	NEURO-SYMBOLIC COMPOSITIONAL GENERALIZATION FOR LANGUAGE AND VISION COMPREHENSION AND GROUNDING
170	\$90,907	CISCO SYSTEMS	Liu, Sijia	COMPUTER SCIENCE AND ENGINEERING	DATA-MODEL PRUNING: A KEY ENABLER FOR STEERABLE DL
171	\$7,836	BOOZ ALLEN HAMILTON INC	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	ADVERSARIAL MACHINE LEARNING FOR PERCEPTION
172	\$60,000	THE HOME DEPOT	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	RESEARCH GIFT - TBD
173	\$25,980	PENNSYLVANIA STATE UNIV	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	TOWARD INTERPRETABLE AND STABLE GRAPH NEURAL NETWORKS
174	\$700,000	NATIONAL SCIENCE FOUNDATION	Yan, Qiben	COMPUTER SCIENCE AND ENGINEERING	COLLABORATIVE RESEARCH: CPS: MEDIUM: ROBUST SENSING AND LEARNING FOR AUTONOMOUS DRIVING AGAINST PERCEPTUAL ILLUSION
175	\$74,507	NORTHROP GRUMMAN CORP	Albrecht, John	ELECTRICAL AND COMPUTER ENGINEERING	NEXT GENERATION MICROELECTRONICS MANUFACTURING
176	\$77,919	FERMI NATIONAL ACCELERATOR LABORATORY	Baryshev, Sergey	ELECTRICAL AND COMPUTER ENGINEERING	INNOVATING ELECTRONICS FOR SUPERCONDUCTING QUANTUM MATERIALS AND SYSTEMS CENTER
177	\$83,977	LOS ALAMOS NATL LABORATORY	Baryshev, Sergey	ELECTRICAL AND COMPUTER ENGINEERING	DEVELOPMENT OF NANODIAMOND FIELD EMISSION CATHODES FOR SHEET BEAM PRODUCTION FOR APPLICATION IN MM-WAVE SLOW WAVE STRUCTURES
178	\$20,000	INFOSCITEX CORPORATION	Bopardikar, Shaunak	ELECTRICAL AND COMPUTER ENGINEERING	COOPERATIVE PERIMETER DEFENSE
179	\$55,000	NATIONAL SCIENCE FOUNDATION	Chakrapani, Sunil Kishore	ELECTRICAL AND COMPUTER ENGINEERING	COLLABORATIVE RESEARCH: UNRAVELING THE MECHANISMS BEHIND ACOUSTOPLASTICITY USING A MULTISCALE COMPUTATIONAL AND IN-SITU, TIME RESOLVED EXPERIMENTAL APPROACH
180	\$136,369	US ENVIRONMENTAL PROTECTION AGENCY	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	DEVELOPMENT OF A MULTI-OBJECTIVE OPTIMIZATION TOOL FOR CHESAPEAKE BAY WATERSHED
181	\$97,114	HEMLOCK SEMICONDUCTOR CORP	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	PRODUCTION OF SILICON MASS IN A CHEMICAL VAPOR DEPOSITION PROCESS USING ARTIFICIAL NEURAL NETWORKS

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182	\$195,000	LAWRENCE LIVERMORE NATIONAL LABORATORY	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	ADVANCED IN-SITU PROCESSES MONITORING DIAGNOSTICS AND EX-SITU MATERIAL CHARACTERIZATION FOR LASER-BASED METAL AM PROCESSES
183	\$432,196	NATIONAL SCIENCE FOUNDATION	Fan, Qi	ELECTRICAL AND COMPUTER ENGINEERING	MANUFACTURING OF HIGH-EFFICIENCY PEROVSKITE SOLAR CELLS VIA COUPLED ION SOURCE AND MAGNETRON DISCHARGES
184	\$35,310	UNIVERSITY OF MICHIGAN	Grotjohn, Timothy	ELECTRICAL AND COMPUTER ENGINEERING	MATERIALS AND DEVICES CO-DESIGN FOR NEXT-GENERATION COMMUNICATION SYSTEMS
185	\$231,206	UT BATTELLE LLC	Han, Ming	ELECTRICAL AND COMPUTER ENGINEERING	FIBER OPTIC BOLOMETER DEVELOPMENT
186	\$80,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Lee, Woongkul	ELECTRICAL AND COMPUTER ENGINEERING	LASER ENERGIZED AERIAL DRONES SYSTEM (LEADS) FOR REMOTE SENSING APPLICATIONS
187	\$78,334	FRAUNHOFER USA	Li, Wen	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER CENTER RENEWAL
188	\$22,000	MATRIX RESEARCH INC	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	WIRELESS COORDINATION FOR DISTRIBUTED ANTENNA ARRAYS
189	\$3,000,000	NATIONAL SCIENCE FOUNDATION	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	NRT-HDR: WATERCUBE: BIG DATA WATER SCIENCE FOR SUSTAINABILITY AND EQUITY
190	\$557,879	NATIONAL SCIENCE FOUNDATION	Traganitis, Panagiotis	ELECTRICAL AND COMPUTER ENGINEERING	COLLABORATIVE RESEARCH: CIF: MEDIUM: ROBUST LEARNING OVER GRAPHS
191	\$154,000	US DEPT OF ENERGY	Verboncoeur, John	ELECTRICAL AND COMPUTER ENGINEERING	STUDIES OF KEY MECHANISMS AND CONTROL STRATEGIES FOR PLASMAS IN MICRO/SUB-MICRO SCALES
192	\$159,016	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Zhang, Peng	ELECTRICAL AND COMPUTER ENGINEERING	DETERMINISTIC TO STATISTICAL MODELING OF ELECTRICAL CONTACT AND ELECTRON TRANSPORT IN ANISOTROPIC MATERIALS
193	\$456,892	NATIONAL INST OF HEALTH	Bhattacharya, Sudin	INSTITUTE FOR QUANTITATIVE HEALTH	INTEGRATIVE TRANSCRIPTIONAL AND EPIGENOMIC MODELING OF XENOBIOTIC-ACTIVATED GENE REGULATORY NETWORKS
194	\$628,601	NATIONAL INST OF HEALTH	Kim, Taeho	INSTITUTE FOR QUANTITATIVE HEALTH	DEVELOPMENT OF ANTI-INFLAMMATORY NANODRUG FOR ENDOMETRIOSIS TREATMENT
195	\$70,000	NATIONAL SCIENCE FOUNDATION	Li, Jinxing	INSTITUTE FOR QUANTITATIVE HEALTH	EAGER: ELASTIC ELECTRONICS FOR SENSING GUT LUMINAL AND SEROSAL BIOCHEMICAL RELEASE
196	\$839,998	NATIONAL SCIENCE FOUNDATION	Li, Wen	INSTITUTE FOR QUANTITATIVE HEALTH	COLLABORATIVE RESEARCH: SCH: A WIRELESS OPTOELECTRONIC IMPLANT FOR CLOSED-LOOP CONTROL OF BI-HORMONE SECRETION FROM GENETICALLY MODIFIED ISLET ORGANOID GRAFTS

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197	\$503,764	NATIONAL INST OF HEALTH	Spence, Dana	INSTITUTE FOR QUANTITATIVE HEALTH	AN IMPROVED RED BLOOD CELL STORAGE PRODUCT AND EXTENDED SHELF LIFE USING A NORMOGLYCEMIC ADDITIVE SOLUTION
198	\$287,624	NATIONAL INST OF FOOD & AGRICULTURE	Woldring, Daniel	INSTITUTE FOR QUANTITATIVE HEALTH	DECODING THE LANGUAGE OF PATHOGEN RECOGNITION IN PLANTS VIA DEEP LEARNING AND DIRECTED EVOLUTION
199	\$227,571	NATIONAL INST OF HEALTH	Woldring, Daniel	INSTITUTE FOR QUANTITATIVE HEALTH	RATIONALLY GUIDED DISCOVERY PLATFORM FOR MONOCLONAL ANTIBODIES AGAINST CARBOHYDRATE ANTIGENS USING VIRUS-LIKE PARTICLE CONJUGATE IMMUNIZATION AND HIGH THROUGHPUT SELECTION
200	\$6,000	NATIONAL SCIENCE FOUNDATION	Gao, Tong	MECHANICAL ENGINEERING	CAREER: UNVEILING THE STABILITY, RHEOLOGY, AND TOPOLOGY OF ACTIVE FLUIDS
201	\$91,525	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Khasawneh, Firas	MECHANICAL ENGINEERING	ZIGZAG PERSISTENT HOMOLOGY AND NETWORK METHODS FOR TOPOLOGICAL SIGNAL PROCESSING
202	\$80,198	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Koochesfahani, Manoochehr	MECHANICAL ENGINEERING	PHASE 2: ZBOT-2 THERMOMETRY DIAGNOSTICS DEVELOPMENT
203	\$192,511	CALIFORNIA MEDICAL INNOVATIONS INST	Lee, Lik-Chuan	MECHANICAL ENGINEERING	MATHEMATICAL MODEL-BASED OPTIMIZATION OF CRT RESPONSE IN ISCHEMIA
204	\$160,228	CALIFORNIA MEDICAL INNOVATIONS INST	Lee, Lik-Chuan	MECHANICAL ENGINEERING	MECHANISMS OF CORONARY FLOW HETEROGENEITY: IMPLICATIONS FOR CORONARY SINUS OCCLUSION THERAPY
205	\$150,871	UNIVERSITY OF KENTUCKY	Lee, Lik-Chuan	MECHANICAL ENGINEERING	DATA-DRIVEN OPTIMIZATION OF THERAPY FOR HEART FAILURE
206	\$416,955	NATIONAL SCIENCE FOUNDATION	Lee, Lik-Chuan	MECHANICAL ENGINEERING	ELUCIDATING THE MYOCARDIAL ENERGY DEMAND-SUPPLY-PRODUCTION FEEDBACK SYSTEM
207	\$76,500	AGRICULTURAL RESEARCH SERVICE	Li, Zhaojian	MECHANICAL ENGINEERING	DEVELOPMENT OF A CONTROL AND PLANNING SYSTEM FOR AN APPLE ROBOTIC HARVESTER
208	\$203,919	METIS FOUNDATION	Mejia, Ricardo	MECHANICAL ENGINEERING	AN OVINE TRANSLATIONAL MODEL OF BLAST-RELATED AUDITORY INJURY
COLLEGE OF HUMAN MEDICINE					
209	\$125,000	MERCY HEALTH SAINT MARYS	Dwyer, Jeffrey	CHM WEST MICHIGAN	MSU-ST. MARY'S TRANSLATIONAL MEDICINE IN GRAND RAPIDS
210	\$500,000	MICHIGAN HEALTH ENDOWMENT FUND	Hanna-Attisha, Mona	CS MOTT DEPARTMENT OF PUBLIC HEALTH	RX KIDS: A PRENATAL AND INFANT ALLOWANCES IN FLINT, MI
211	\$4,783,985	CENTERS FOR DISEASE CONTROL & PREVENTION	Hanna-Attisha, Mona	CS MOTT DEPARTMENT OF PUBLIC HEALTH	FLINT REGISTRY (FR) 2022-2027

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212	\$19,578	RHODE ISLAND HOSPITAL	Johnson, Jennifer	CS MOTT DEPARTMENT OF PUBLIC HEALTH	REDUCING ALCOHOL USE AND SEXUAL DYSFUNCTION IN SURVIVORS OF SEXUAL TRAUMA
213	\$24,112	HENRY FORD HEALTH SYSTEM	Johnson, Jennifer	CS MOTT DEPARTMENT OF PUBLIC HEALTH	IMPROVING DECISION MAKING TO PREVENT SUBSTANCE MISUSE AMONG ADOLESCENTS FROM TRADITIONALLY UNDERSERVED COMMUNITIES
214	\$653,936	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Johnson, Jennifer	CS MOTT DEPARTMENT OF PUBLIC HEALTH	IPT FOR MAJOR DEPRESSION FOLLOWING PERINATAL LOSS
215	\$964,759	NATIONAL INST OF HEALTH	Lucas, Todd	CS MOTT DEPARTMENT OF PUBLIC HEALTH	CULTURALLY-TARGETED COMMUNICATION TO PROMOTE SARS-COV-2 ANTIBODY TESTING IN SALIVA: ENABLING EVALUATION OF INFLAMMATORY PATHWAYS IN COVID-19 RACIAL DISPARITIES
216	\$26,979	UNIVERSITY OF MICHIGAN	Margerison, Claire	EPIDEMIOLOGY AND BIOSTATISTICS	STRUCTURAL RACISM AND ADVERSE BIRTH OUTCOMES IN THE US SOUTH: A MULTIGENERATIONAL PERSPECTIVE
217	\$381,888	NATIONAL INST OF HEALTH	Margerison, Claire	EPIDEMIOLOGY AND BIOSTATISTICS	POLICY CHANGE AND WOMEN'S HEALTH
218	\$198,068	BRIGHAM & WOMENS HOSPITAL	Paneth, Nigel	EPIDEMIOLOGY AND BIOSTATISTICS	MOLECULAR ANTECEDENTS OF MISCARRIAGE
219	\$50,366	UNIVERSITY OF MICHIGAN	Paneth, Nigel	EPIDEMIOLOGY AND BIOSTATISTICS	SYSTEMS MODELING TO ADDRESS THE SOCIAL AND BIOLOGICAL DRIVERS OF DISPARITIES IN INFECTION AND MORTALITY FROM EMERGING INFECTIOUS DISEASES
220	\$266,050	NATIONAL INST ON DEAFNESS & OTHER COMMUNICATION DISORDERS	Talge, Nicole	EPIDEMIOLOGY AND BIOSTATISTICS	FALSE POSITIVE NEWBORN HEARING SCREENING RESULTS AND AUTISM SPECTRUM DISORDER
221	\$70,080	HENRY FORD HEALTH SYSTEM	Ilardo, Joan	HUMAN MEDICINE DEAN	EQUIPPING PROVIDERS TO IMPROVE OLDER ADULT HEALTHCARE IN A VIRTUAL ENVIRONMENT: A TELEHEALTH CURRICULUM PILOT
222	\$190,439	NATIONAL INST OF HEALTH	Kanada, Masamitsu	INSTITUTE FOR QUANTITATIVE HEALTH	ULTRASOUND-ASSISTED EXTRACELLULAR VESICLE ENGINEERING AND INDUCED RELEASE: EVEIR
223	\$1,026,772	NATIONAL INST OF HEALTH	Knickmeyer, Rebecca	INSTITUTE FOR QUANTITATIVE HEALTH	GENETIC INFLUENCES ON INFANT BRAIN DEVELOPMENT: UNDERSTANDING THE DEVELOPMENTAL ORIGINS OF MENTAL ILLNESS
224	\$306,327	NATIONAL INST OF HEALTH	Schmidt, Jens	INSTITUTE FOR QUANTITATIVE HEALTH	DEFINING THE ROLE OF TCAB1 AND ITS PHASE SEPARATION IN TELOMERASE ASSEMBLY.
225	\$200,000	AMER HEART ASSOC	Shammakhi, Nureddin	INSTITUTE FOR QUANTITATIVE HEALTH	MACROPHAGE TYPE 2-DERIVED EXTRACELLULAR VESICLE AND O2 GENERATING PATCH FOR THE TREATMENT OF ISCHEMIC HEART
226	\$303,650	PROTEOGENOMICS RESEARCH INST FOR SYSTEMS	Zinn, Kurt	INSTITUTE FOR QUANTITATIVE HEALTH	PRECISION DELIVERY AND IMAGING TO ENHANCE SOLID TUMOR THERAPY

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227	\$732,379	NATIONAL INST OF HEALTH	Olomu, Adesuwa	MEDICINE	IMPROVING DIABETIC PATIENTS' ADHERENCE TO TREATMENT AND PREVENTION OF CARDIOVASCULAR DISEASE
228	\$16,000	ASSOC OF OCCUPATIONAL & ENVIRONMENTAL CLINICS	Rosenman, Kenneth	MEDICINE	OEC EXPOSURE CODE SYSTEM UPDATES
229	\$201,623	NATIONAL INST FOR OCCUPATIONAL SAFETY & HEALTH	Wang, Ling	MEDICINE	DEVELOPMENT OF ARTIFICIAL INTELLIGENCE (AI) BASED ALGORITHMS TO CLASSIFY THE PNEUMOCONIOSES
230	\$336,475	NATIONAL INST OF HEALTH	Chandler, Ronald	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	EPIGENETIC REGULATORY MECHANISMS AND THERAPEUTIC OPPORTUNITIES IN ENDOMETRIOSIS
231	\$267,160	NATIONAL INST OF HEALTH	Poland, Cara	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	INCREASING MINORITY PHYSICIAN AND APRN CLINICIAN-SCIENTIST RESEARCH TRAINING TO EQUALIZE ADDICTION MEDICINE (IMPACT TEAM)
232	\$100,000	SPECTRUM HEALTH SYSTEM	Roman, Leeanne	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	HEALTHY START INITIATIVE: ELIMINATING DISPARITIES IN PERINATAL HEALTH
233	\$20,000	SRI FOUNDATION	Song, Yong	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	ROLE OF CELLULAR SENESCENCE IN DEVELOPMENT OF ENDOMETRIOSIS
234	\$420,807	NATIONAL INST OF HEALTH	Chen, Bin	PEDIATRICS AND HUMAN DEVELOPMENT	VIRTUAL COMPOUND SCREENING USING GENE EXPRESSION
235	\$418,252	NATIONAL INST OF HEALTH	Chen, Bin	PEDIATRICS AND HUMAN DEVELOPMENT	REPURPOSE OPEN DATA TO DISCOVER THERAPEUTICS FOR UNDERSTUDIED DISEASES
236	\$30,000	HEMOPHILIA FOUNDATION OF MICHIGAN	Jobe, Shawn	PEDIATRICS AND HUMAN DEVELOPMENT	MATERNAL CHILD HEALTH BUREAU (MCHB) GRANT
237	\$35,000	AMER THROMBOSIS & HEMOSTASIS NETWORK	Jobe, Shawn	PEDIATRICS AND HUMAN DEVELOPMENT	ATHN16: A STUDY OF THE SAFETY OF SEVENFACT FOR THE TREATMENT OF BLEEDING EVENTS IN PATIENTS WITH HEMOPHILIA A OR B WITH INHIBITORS
238	\$370,000	CASCADE HEMOPHILIA CONSORTIUM	Jobe, Shawn	PEDIATRICS AND HUMAN DEVELOPMENT	CASCADE HEMOPHILIA CONSORTIUM
239	\$22,056	SANOFI PHARMACEUTICAL	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	LTS16294: A PHASE 3 OPEN-LABEL, MULTICENTER STUDY OF THE LONG-TERM SAFETY AND EFFICACY OF IV RFVIIIIC-VWF-XTEN; BIVV001 IN PREVIOUSLY TREATED PATIENTS WITH SEVERE HEMOPHILIA A

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240	\$525,109	NATIONAL INST OF HEALTH	Li, Xiaopeng	PEDIATRICS AND HUMAN DEVELOPMENT	ROLE OF DISRUPTED ASL PH REGULATION IN SMALL AIRWAYS IN CF LUNG DISEASE PATHOGENESIS
241	\$61,262	CYSTIC FIBROSIS FOUNDATION	Thomas, Ryan	PEDIATRICS AND HUMAN DEVELOPMENT	MSU CF CENTER LEAPP 2023
242	\$88,060	CYSTIC FIBROSIS FOUNDATION	Thomas, Ryan	PEDIATRICS AND HUMAN DEVELOPMENT	MICHIGAN STATE UNIVERSITY CYSTIC FIBROSIS CENTER GRANT 2023
243	\$344,504	NATIONAL INST OF HEALTH	Galligan, James	PHARMACOLOGY TOXICOLOGY HUMAN MEDICINE	IDENTIFICATION OF ENTERIC NERVE CIRCUITS CONTROLLING GUT MOTILITY
244	\$85,000	SPECTRUM HEALTH - MSU ALLIANCE CORP	Kaminski, Norbert	PHARMACOLOGY TOXICOLOGY HUMAN MEDICINE	THE EFFECTS OF LEAD EXPOSURE ON THE DEVELOPING IMMUNE SYSTEM DURING EARLY LIFE STAGES AND ON MATERNAL HEALTH OUTCOMES
245	\$226,811	NATIONAL INST OF HEALTH	Rockwell, Cheryl	PHARMACOLOGY TOXICOLOGY HUMAN MEDICINE	IMPAIRED NK CELL FUNCTION BY THE SYNTHETIC FOOD ADDITIVE TBHQ
246	\$234,750	SENDA BIOSCIENCES	Mahmoudi, Morteza	RADIOLOGY HUMAN MEDICINE	PROBING THE PROTEIN CORONA COMPOSITION AT THE SURFACE OF LIPID-BASED NANOPARTICLES
247	\$556,856	NATIONAL INST OF HEALTH	Moore, Anna	RADIOLOGY HUMAN MEDICINE	ANTI-MIR-10B NANODRUG FOR TREATMENT OF BREAST CANCER METASTASIS: STUDY IN COMPANION ANIMALS
248	\$31,120	UNIVERSITY OF MICHIGAN	Scheel, Norman	RADIOLOGY HUMAN MEDICINE	DIMENSIONAL COMPLEXITY: A NEW MARKER FOR COGNITIVE STATES AND MCI/AD PROGRESSION
249	\$41,976	ALZHEIMERS ASSOC	Morgan, David	TRANSLATIONAL NEUROSCIENCE	MEASUREMENT OF ALZHEIMER BIOMARKERS IN NIGERIAN PLASMA SAMPLES
250	\$1,499,699	US DEPT OF THE ARMY	Sortwell, Caryl	TRANSLATIONAL NEUROSCIENCE	MODELING COGNITIVE DYSFUNCTION IN PARKINSON'S DISEASE AND THE IMPACT OF EXERCISE
JAMES MADISON COLLEGE					
251	\$118,640	ARIZONA STATE UNIV	Thies, Cameron	JAMES MADISON COLLEGE DEAN	GROWING CHINESE ECONOMIC POWER AND THE EXACERBATING EFFECTS OF U.S. ECONOMIC INTERDEPENDENCE
LYMAN BRIGGS COLLEGE					
252	\$86,380	NATIONAL SCIENCE FOUNDATION	Bell, Robert	LYMAN BRIGGS DEAN	REU SITE: RESEARCH EXPERIENCES FOR UNDERGRADUATES IN DISCRETE AND APPLIED MATHEMATICS
253	\$96,814	NATIONAL SECURITY AGENCY	Bell, Robert	LYMAN BRIGGS DEAN	SUMMER UNDERGRADUATE RESEARCH INSTITUTE IN EXPERIMENTAL MATHEMATICS (SURIEM)
254	\$220,097	NATIONAL SCIENCE FOUNDATION	Cheruvellil, Kendra	LYMAN BRIGGS DEAN	COLLABORATIVE RESEARCH: BROADENING PARTICIPATION OF MARGINALISED SCHOLARS IN STEM: THE LONGITUDINAL INFLUENCE OF EARLY-CAREER CLIMATE EXPERIENCES ON PROFESSIONAL PATHWAYS

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255	\$190,257	NATIONAL SCIENCE FOUNDATION	Sweeder, Ryan	LYMAN BRIGGS DEAN	COLLABORATIVE RESEARCH: WHAT CHEMISTRY ARE STUDENTS LEARNING FROM YOUTUBE?
COLLEGE OF MUSIC					
256	\$70,000	DRESNER FOUNDATION	Johnson, Kristopher	COMMUNITY MUSIC SCHOOL	EMPOWERING DETROIT YOUTH THROUGH THE GIFT OF MUSIC
257	\$33,500	WORTHINGTON FAMILY FOUNDATION	Helton, Melanie	MUSIC	CONTINUING THE MSU OPERA THEATRE EXPERIENCE: CONTINUING TO GROW
COLLEGE OF NATURAL SCIENCE					
258	\$327,537	NATIONAL INST OF HEALTH	Dickson, Alexander	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	REVEALING PATHWAYS AND KINETICS OF MOLECULAR RECOGNITION WITH ADVANCED MOLECULAR SIMULATION ALGORITHMS
259	\$687,114	US DEPT OF ENERGY	Grotewold, Erich	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	A SYSTEMS FRAMEWORK TO ENHANCE THE POTENTIAL OF CAMELINA AS OILSEED CROP
260	\$518,229	NATIONAL INST OF HEALTH	He, Jin	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	EPIGENETIC MECHANISMS OF HISTONE METHYLTRANSFERASE ASH1L IN AUTISM SPECTRUM DISORDER
261	\$97,124	US DEPT OF ENERGY	Hegg, Eric	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	DNRA: CATALYZING MULTI-ELECTRON REDUCTIONS USING A PENTAHEME SCAFFOLD
262	\$50,000	NATIONAL SCIENCE FOUNDATION	Hoogstraten, Charles	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	CONFERENCE: RUSTBELT RNA MEETING 2023-2025
263	\$95,133	NATIONAL INST OF HEALTH	Last, Robert	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	PLANT BIOTECHNOLOGY FOR HEALTH AND SUSTAINABILITY
264	\$502,592	NATIONAL INST OF HEALTH	Ralston, Amy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	SIGNALING-REGULATED ESTABLISHMENT OF PLURIPOTENCY IN VIVO
265	\$2,999,526	NATIONAL SCIENCE FOUNDATION	Rhee, Seung	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	TRTECH-PGR: ESTABLISHING A ONE-STOP-SHOP FOR PLANT METABOLISM ANNOTATIONS AND LAUNCHING A PLANT ENZYME FUNCTION CONSORTIUM
266	\$177,297	US DEPT OF ENERGY	Beck, Warren	CHEMISTRY	ENERGY TRANSFER AND RADIATIONLESS DECAY IN LIGHT-HARVESTING PROTEINS
267	\$189,610	NATIONAL SCIENCE FOUNDATION	Borhan, Babak	CHEMISTRY	MECHANISTIC STUDIES OF HALEINIUM-ALKENE ADDITIONS FOR CHEMICAL CATALYSIS

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268	\$174,748	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Dantus, Marcos	CHEMISTRY	FEMTOSECOND TIME-RESOLVED ELECTRON IONIZATION MASS SPECTROMETRY
269	\$300,000	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	SYNTHETIC GLYCAN CONJUGATES WITH BACTERIOPHAGE QBETA FOR BROAD SPECTRUM ANTI-SALMONELLA VACCINES
270	\$179,591	US DEPT OF ENERGY	Piecuch, Piotr	CHEMISTRY	NEW SINGLE- AND MULTI-REFERENCE COUPLED-CLUSTER METHODS FOR HIGH ACCURACY CALCULATIONS OF GROUND AND EXCITED STATES
271	\$182,779	US DEPT OF ENERGY	Wang, Tuo	CHEMISTRY	ATOMIC RESOLUTION OF LIGNIN-CARBOHYDRATE INTERACTIONS IN NATIVE PLANT TISSUES FROM SOLID-STATE NMR
272	\$170,000	US DEPT OF ENERGY	Xie, Weiwei	CHEMISTRY	UNRAVELING EMERGENT QUANTUM STATES IN MAGNETIC TOPOLOGICAL INSULATORS USING HIGH PRESSURE NEUTRON SCATTERING
273	\$300,000	NATIONAL SCIENCE FOUNDATION	Bazavov, Alexei	COMPUTATIONAL MATH SCI AND ENGR CNS	HEAVY QUARKONIA IN LATTICE QCD WITH ANISOTROPIC HIGHLY IMPROVED STAGGERED QUARKS
274	\$82,556	SPELMAN COLLEGE	Christlieb, Andrew	COMPUTATIONAL MATH SCI AND ENGR CNS	CREATING EQUITABLE PATHWAYS TO ADVANCED DEGREES IN DATA SCIENCE, A SPELMAN MSU PARTNERSHIP
275	\$985,000	US DEPT OF ENERGY	Christlieb, Andrew	COMPUTATIONAL MATH SCI AND ENGR CNS	CENTER FOR HIERARCHICAL AND ROBUST MODELING OF NON-EQUILIBRIUM TRANSPORT (CHARMNET)
276	\$70,010	NATIONAL SCIENCE FOUNDATION	Lei, Huan	COMPUTATIONAL MATH SCI AND ENGR CNS	MACHINE-LEARNING BASED MODELING OF MULTISCALE DYNAMIC SYSTEMS WITH NON-MARKOVIAN STATE-DEPENDENT MEMORY
277	\$40,263	SPACE TELESCOPE SCIENCE INST	O'Shea, Brian	COMPUTATIONAL MATH SCI AND ENGR CNS	GAS AND GALAXIES THROUGH COSMIC TIME WITH ENZO-E
278	\$177,606	NATIONAL SCIENCE FOUNDATION	Wang, Jianrong	COMPUTATIONAL MATH SCI AND ENGR CNS	CAREER: DELINEATE CONTEXT-SPECIFIC GENE REGULATION IN 3D CHROMATIN SPACE
279	\$200,000	NATIONAL SCIENCE FOUNDATION	Yang, Yang	COMPUTATIONAL MATH SCI AND ENGR CNS	AN EDGE-BASED PDE PARADIGM AND INVERSE ANALYSIS FOR SPATIOTEMPORAL INFORMATION DIFFUSION AND THREAT DETECTION
280	\$239,336	NATIONAL INST OF HEALTH	Bayer, Irene	CREATE FOR STEM	HEALTH IN OUR HANDS: BUILDING AND SUSTAINING STUDENT ENGAGEMENT IN GENOMIC AND ENVIRONMENTAL HEALTH SCIENCES THROUGH A COMMUNITY-SCHOOL PARTNERSHIP
281	\$425,431	INST OF EDUCATION SCIENCES	Geier, Robert	CREATE FOR STEM	EXPLORING STUDENTS' PROGRESSION IN DEVELOPING QUANTITATIVE KNOWLEDGE-IN-USE ABOUT ENERGY
282	\$212,157	WATTTIME	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	ESTIMATING COUNTRY-LEVEL DIRECT N2O EMISSIONS FROM MANAGED AGRICULTURAL SOILS (PHASE 2)
283	\$88,954	UNIVERSITY OF ILLINOIS CHICAGO	Dorfman, Susannah	EARTH AND ENVIRONMENTAL SCIENCES	CHICAGO-DOE ALLIANCE CENTER: A CENTER OF EXCELLENCE FOR HIGH PRESSURE SCIENCE AND TECHNOLOGY

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284	\$225,000	NATIONAL SCIENCE FOUNDATION	Dorfman, Susannah	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: EFFECTS OF FERRIC IRON ON HEAT TRANSPORT IN EARTH'S MANTLE
285	\$55,633	NATIONAL SCIENCE FOUNDATION	Elliott, Julie	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: UNRAVELING DISTRIBUTED DEFORMATION DURING EARLY-STAGERIFTING IN THE WESTERN AND SOUTHWESTERN AFRICAN RIFTS
286	\$81,102	NATIONAL SCIENCE FOUNDATION	Freymueller, Jeffrey	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: THE M7.8 SIMEONOF EARTHQUAKE: UNTANGLING SLIP FROM SECONDS TO YEARS ACROSS THE EDGE OF THE SHUMAGIN SEISMIC GAP
287	\$153,133	LAWRENCE LIVERMORE NATIONAL LABORATORY	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	CATALOG UNIFICATION AND SEISMIC MONITORING IMPROVEMENT IN CENTRAL ASIA, CAUCASUS, AND UKRAINE
288	\$53,549	NATIONAL SCIENCE FOUNDATION	Wei, Songqiao	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: INTERACTIONS BETWEEN THE TONGA-LAU SUBDUCTION SYSTEM AND THE SAMOAN PLUME
289	\$69,561	NATIONAL SCIENCE FOUNDATION	Zarnetske, Jay	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: CONSTRAINING FATE AND FUNCTION OF PERMAFROST NUTRIENTS WITH DIRECT MULTI-SCALE OBSERVATIONS: STREAMS NETWORKS AS INDICATORS OF WATERSHED PROCESSES
290	\$47,000	USDA FOREST SERVICE	Cognato, Anthony	ENTOMOLOGY NATURAL SCIENCE	BARK BEETLE IDENTIFICATION AND TAXONOMY (CURCULIONIDAE: SCOLYTINAE).
291	\$144,874	NATIONAL INST OF HEALTH	Reimers, Mark	INSTITUTE FOR QUANTITATIVE HEALTH	CRCONS: DYNAMICS OF THALAMOCORTICAL NETWORKS DURING SENSORY DISCRIMINATION
292	\$40,000	COLUMBIA UNIV	Reimers, Mark	INSTITUTE FOR QUANTITATIVE HEALTH	ANALYSIS OF BEHAVIORAL MOTHER-INFANT INTERACTION VIDEOS BY DEEP LEARNING AND TIME SERIES
293	\$104,763	NATIONAL INST OF HEALTH	Ganz, Julia	INTEGRATIVE BIOLOGY	GENE REGULATION OF REGENERATION IN THE ENTERIC NERVOUS SYSTEM
294	\$103,120	UNIVERSITY OF COLORADO DENVER	Ganz, Julia	INTEGRATIVE BIOLOGY	AN INTEGRATIVE FRAMEWORK TO UNRAVEL THE GENES, GENE NETWORKS, CELL TYPES, AND DEVELOPMENTAL STATES UNDERLYING ASD-ASSOCIATED GI DYSFUNCTION
295	\$633,723	NATIONAL SCIENCE FOUNDATION	Zipkin, Elise	INTEGRATIVE BIOLOGY	COLLABORATIVE RESEARCH: MRA: ESTIMATING AND FORECASTING NONSTATIONARY, MULTI-SCALE CLIMATE AND LAND-USE EFFECTS ON AVIAN COMMUNITIES
296	\$6,000	AMER GENETIC ASSOC	Fitzpatrick, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	TESTING GENOMIC MECHANISMS AND CONSEQUENCES OF SPECIES PERSISTENCE IN REDISCOVERED AMPHIBIANS
297	\$858,177	AGRICULTURAL RESEARCH SERVICE	Robertson, GPhilip	KELLOGG BIOLOGICAL STATION NAT SCI	COLLABORATIVE LONG-TERM AGRICULTURAL RESEARCH (LTAR): ECOSYSTEM SERVICES FROM ROW-CROP AGRICULTURE

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298	\$82,941	UNIVERSITY OF TENNESSEE KNOXVILLE	Robertson, GPhilip	KELLOGG BIOLOGICAL STATION NAT SCI	DSFAS: MACHINE LEARNING WITH MULTI-SOURCE DATA TO IMPROVE QUANTITATIVE MODELS FOR AGRICULTURAL NITROUS OXIDE FLUX PREDICTIONS
299	\$175,405	US DEPT OF AGRICULTURE	Waterman, Robin	KELLOGG BIOLOGICAL STATION NAT SCI	THE ROLES OF PLASTICITY AND EVOLUTION IN THE COLONIZATION OF CROP FIELDS BY WEEDS
300	\$38,939	MICHIGAN CRAFT BEVERAGE COUNCIL	Wilke, Brook	KELLOGG BIOLOGICAL STATION NAT SCI	EVALUATION OF CORN VARIETIES FOR THE MICHIGAN CRAFT DISTILLING INDUSTRY
301	\$160,279	NATIONAL SCIENCE FOUNDATION	Greer, Francois	MATHEMATICS	THE GEOMETRY OF QUASI-MODULAR FORMS
302	\$100,000	NATIONAL SCIENCE FOUNDATION	Hedden, Matthew	MATHEMATICS	RTG: ALGEBRAIC AND GEOMETRIC TOPOLOGY AT MICHIGAN STATE
303	\$228,693	NATIONAL SCIENCE FOUNDATION	Kitagawa, Jun	MATHEMATICS	COLLABORATIVE RESEARCH: PARABOLIC MONGE-AMPÈRE EQUATIONS, COMPUTATIONAL OPTIMAL TRANSPORT, AND GEOMETRIC OPTICS
304	\$290,000	NATIONAL SCIENCE FOUNDATION	Qian, Jianliang	MATHEMATICS	INNOVATIVE BUTTERFLY-COMPRESSED MICROLOCAL HADAMARD-BABICH INTEGRATORS FOR LARGE-SCALE HIGH-FREQUENCY WAVE MODELING AND INVERSION IN VARIABLE MEDIA
305	\$132,015	NATIONAL SCIENCE FOUNDATION	Rapinchuk, Ekaterina	MATHEMATICS	COLLABORATIVE RESEARCH: INTEGRATING ALGEBRAIC TOPOLOGY, GRAPH THEORY, AND MULTISCALE ANALYSIS FOR LEARNING COMPLEX AND DIVERSE DATASETS
306	\$7,200	SIMONS FOUNDATION	Sun, Bin	MATHEMATICS	INTERPLAY OF GEOMETRIC GROUP THEORY AND OPERATOR ALGEBRA
307	\$86,856	NATIONAL SCIENCE FOUNDATION	Wang, Zhenqi	MATHEMATICS	CAREER: NEW METHODS AND APPLICATIONS FOR SMOOTH RIGIDITY OF ALGEBRAIC ACTIONS
308	\$541,935	NATIONAL INST OF HEALTH	Wei, Guowei	MATHEMATICS	AI-BASED PLATFORM FOR PREDICTING EMERGING VACCINE-ESCAPE VARIANTS AND DESIGNING MUTATION-PROOF ANTIBODIES
309	\$655,967	NATIONAL INST OF HEALTH	Abramovitch, Robert	MICROBIOLOGY MOLECULAR GENETICS CNS	CHEMICAL GENETICS OF M. TUBERCULOSIS D0SRST SIGNALING AND PERSISTENCE
310	\$758,959	NATIONAL INST OF HEALTH	Abramovitch, Robert	MICROBIOLOGY MOLECULAR GENETICS CNS	CHEMICAL BIOLOGY STUDIES OF MMPL3 INHIBITION AND RESISTANCE IN MYCOBACTERIA
311	\$189,617	UNIVERSITY OF CHICAGO	Crosson, Sean	MICROBIOLOGY MOLECULAR GENETICS CNS	HOST AND MICROBIAL BASIS OF HUMAN ULCERATIVE COLITIS AND POUCHITIS: IDENTIFICATION, ROLE, MECHANISMS, AND RESOURCE DEVELOPMENT OF HOST SUSCEPTIBILITY AND PATHOBIONT FACTORS
312	\$162,608	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	DiRita, Victor	MICROBIOLOGY MOLECULAR GENETICS CNS	MSU-MI-SAPPHIRE GENOMIC SURVEILLANCE PROPOSAL (YEAR 2)

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313	\$956,973	NATIONAL INST OF HEALTH	O'Halloran, Thomas	MICROBIOLOGY MOLECULAR GENETICS CNS	RESOURCE FOR QUANTITATIVE ELEMENTAL MAPPING FOR THE LIFE SCIENCES
314	\$523,984	NATIONAL INST OF HEALTH	Olive, Andrew	MICROBIOLOGY MOLECULAR GENETICS CNS	REGULATORS OF IFN-GAMMA RESPONSES DURING MYCOBACTERIUM TUBERCULOSIS INFECTION
315	\$70,017	NATIONAL SCIENCE FOUNDATION	Chomiuk, Laura	PHYSICS ASTRONOMY	CONSTRAINING TYPE IA SUPERNOVA PROGENITORS VIA THEIR ENVIRONMENTS
316	\$235,462	UNIVERSITY OF PITTSBURGH	Cocker, Tyler	PHYSICS ASTRONOMY	TOPOLOGICAL SPIN QUBITS BASED ON GRAPHENE NANORIBBONS
317	\$292,799	UNIVERSITY OF WISCONSIN MADISON	DeYoung, Tyce	PHYSICS ASTRONOMY	ICECUBE GEN@ PHASE: AN ICECUBE EXTENSION FOR PREVISION NEUTRINO PHYSICS AND ASTROPHYSICS - CONTRUCTION UPGRADE
318	\$64,795	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Donahue, Megan	PHYSICS ASTRONOMY	HOT GAS IN LOW REDSHIFT, MASSIVE OVI/LY-A ABSORPTION LINE SYSTEMS: COMPLETION
319	\$203,251	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	Dykman, Mark	PHYSICS ASTRONOMY	OUTATIME: OVENIZED ULTRA-STABLE TACTICAL TIMING WITH MECHANICS
320	\$144,639	US DEPT OF ENERGY	Ke, Xianglin	PHYSICS ASTRONOMY	TOPOLOGICAL MAGNONS AND TOPOLOGICAL ELECTRONIC PROPERTIES IN METALLIC KAGOME MAGNETS
321	\$565,501	NATIONAL SCIENCE FOUNDATION	Kerzendorf, Wolfgang	PHYSICS ASTRONOMY	ELEMENTS: THE TARDIS RADIATIVE TRANSFER FRAMEWORK - A MODELING TOOLKIT FOR TRANSIENTS
322	\$475,000	US DEPT OF ENERGY	Mahn, Kendall	PHYSICS ASTRONOMY	TRAIN-MI PROGRAM: HIGH ENERGY PHYSICS INSTRUMENTATION TRAINEESHIP IN MICHIGAN
323	\$75,000	NATIONAL SCIENCE FOUNDATION	Mohan, Kirtimaan	PHYSICS ASTRONOMY	REFINING SEARCHES FOR PHYSICS BEYOND THE STANDARD MODEL
324	\$656,544	NATIONAL SCIENCE FOUNDATION	Sawtelle, Vashti	PHYSICS ASTRONOMY	COLLABORATIVE RESEARCH: RACIAL EQUITY: TRANSFER ADVOCACY GROUPS: TRANSFORMING CULTURE TO SUPPORT TRANSFER STUDENTS OF COLOR IN STEM
325	\$99,107	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	Weaver, Christopher	PHYSICS ASTRONOMY	FRAMEWORKS: SCIMMA: REAL-TIME ORCHESTRATION OF MULTI-MESSENGER ASTROPHYSICAL OBSERVATIONS
326	\$69,996	LAWRENCE BERKELEY NATIONAL LABORATORY	Whitehorn, Nathan	PHYSICS ASTRONOMY	CMB-S4 WBS 1.08 DATA ACQUISITION

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327	\$10,265	SPACE TELESCOPE SCIENCE INST	Zepf, Stephen	PHYSICS ASTRONOMY	FAR-ULTRAVIOLET INSIGHTS INTO MULTIPLE POPULATIONS IN EXTRAGALACTIC GLOBULAR CLUSTERS
328	\$21,001	CHANDRA SCIENCE CENTER	Zepf, Stephen	PHYSICS ASTRONOMY	THE HUNT FOR A NEW ULTRA-COMPACT X-RAY BINARY IN M87'S GLOBULAR CLUSTER SYSTEM
329	\$160,132	US DEPT OF ENERGY	Zhang, Pengpeng	PHYSICS ASTRONOMY	MICROSCOPIC UNDERSTANDING OF THIN FILM GROWTH AND SUBSTRATE ENGINEERING OF ORGANIC CHARGE TRANSFER COMPLEXES
330	\$390,876	NATIONAL INST OF HEALTH	Busik, Julia	PHYSIOLOGY NATURAL SCIENCE	DYSLIPIDEMIA AND DIABETIC RETINOPATHY
331	\$51,357	NATIONAL INST OF HEALTH	Chargo, Nick	PHYSIOLOGY NATURAL SCIENCE	CRITICAL ROLE OF THE GUT MICROBIOTA IN PRUNES' PREVENTION OF GLUCOCORTICOID INDUCED OSTEOPOROSIS
332	\$11,800	OHIO STATE UNIV	Gulbransen, Brian	PHYSIOLOGY NATURAL SCIENCE	ENTERIC GLIAL ETBR SIGNALING IN POSTOPERATIVE ILEUS
333	\$344,551	NATIONAL INST OF HEALTH	Gulbransen, Brian	PHYSIOLOGY NATURAL SCIENCE	REGULATION OF ENTERIC MOTOR NEUROCIRCUITS BY ENTERIC GLIA IN HEALTH AND DISEASE
334	\$553,588	US DEPT OF DEFENSE	Laumet, Geoffroy	PHYSIOLOGY NATURAL SCIENCE	NEUROBIOLOGICAL MECHANISMS TO ALLEVIATE COMORBID PAIN AND OBESITY
335	\$810,032	US DEPT OF DEFENSE	Leininger, Gina	PHYSIOLOGY NATURAL SCIENCE	NEUROBIOLOGICAL MECHANISMS TO ALLEVIATE COMORBID PAIN AND OBESITY
336	\$32,207	NATIONAL INST OF HEALTH	Martinetti, Luis	PHYSIOLOGY NATURAL SCIENCE	MOTOR FEEDBACK CONTROL OF LAYER SIX CIRCUITS
337	\$227,595	NATIONAL INST OF HEALTH	Mazei-Robison, Michelle	PHYSIOLOGY NATURAL SCIENCE	ROLE FOR NOVEL VENTRAL TEGMENTAL AREA NEUROMEDIN S NEURONS IN MORPHINE RESPONSES
338	\$200,000	AMER DIABETES ASSOC	Mohr, Susanne	PHYSIOLOGY NATURAL SCIENCE	THE EARLY PHASE OF ANTI-VEGF THERAPY AND DEVELOPMENT OF PERSONALIZED THERAPEUTIC STRATEGIES FOR DIABETIC MACULAR EDEMA (DME)
339	\$571,182	NATIONAL INST OF HEALTH	Proshlyakov, Denis	PHYSIOLOGY NATURAL SCIENCE	CORRECTION OF DIABETIC RETINOPATHY BY MITOCHONDRIAL TRANSFER
340	\$46,950	UNIVERSITY OF TEXAS MEDICAL BRANCH	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	SMALL MOLECULE MODULATORS OF ΔFOSB FUNCTION
341	\$593,989	NATIONAL INST OF HEALTH	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	TRANSCRIPTIONAL MECHANISMS IN MAST CELLS UNDERLYING IMMUNE FUNCTION AND DISEASE
342	\$460,688	NATIONAL INST OF HEALTH	Subramanian, Hariharan	PHYSIOLOGY NATURAL SCIENCE	NHERF1 REGULATES MRGPRX2/MRGPRB2 RESPONSES IN MAST CELLS

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343	\$28,791	NATIONAL SCIENCE FOUNDATION	Brudvig, Lars	PLANT BIOLOGY CNS	LTREB RENEWAL: COLLABORATIVE RESEARCH: UNDERSTANDING THE STRENGTH, DURATION, AND STABILITY OF CONNECTIVITY EFFECTS ON COMMUNITY DIVERSITY
344	\$373,450	NATIONAL SCIENCE FOUNDATION	Ding, Shiyou	PLANT BIOLOGY CNS	MCA: UNDERSTANDING CELLULOSE SYNTHASE COMPLEX IN PLANTA USING SINGLE MOLECULE METHODS
345	\$39,830	US DEPT OF AGRICULTURE	Sullivan, Lauren	PLANT BIOLOGY CNS	BIODIVERSITY MEASUREMENTS IN THE CENTRAL MISSISSIPPI RIVER BASIN LTAR SITE
346	\$3,851,777	US DEPT OF ENERGY	Benning, Christoph	PLANT RESEARCH LABORATORY NAT SCIENCE	PHOTOSYNTHETIC ENERGY CAPTURE, CONVERSION AND STORAGE: FROM FUNDAMENTAL MECHANISMS TO MODULAR ENGINEERING
347	\$1,442,662	US DEPT OF ENERGY	Kerfeld, Cheryl	PLANT RESEARCH LABORATORY NAT SCIENCE	THE CENTER FOR CATALYSIS IN BIOMIMETIC CONFINEMENT (CCBC)
348	\$202,570	US DEPT OF ENERGY	Kerfeld, Cheryl	PLANT RESEARCH LABORATORY NAT SCIENCE	ELUCIDATING THE MECHANISM OF OCP-MEDIATED ANTENNA QUENCHING
349	\$248,126	US DEPT OF ENERGY	Kramer, David	PLANT RESEARCH LABORATORY NAT SCIENCE	THE DYNAMIC ENERGY BUDGET OF PHOTOSYNTHESIS
350	\$214,376	NATIONAL SCIENCE FOUNDATION	Sharkey, Thomas	PLANT RESEARCH LABORATORY NAT SCIENCE	ISOPRENE EMISSION FROM PLANTS: AN EVOLUTIONARY BALANCING ACT
351	\$124,354	NATIONAL SCIENCE FOUNDATION	Green, Jennifer	PROGRAM IN MATHEMATICS EDUCATION	COLLABORATIVE RESEARCH: MODULES FOR STATISTICS GRADUATE TEACHING ASSISTANTS LEARNING TO TEACH EQUITABLY WITH AUTHENTIC DATA (GTAS-LEAD)
352	\$7,758	HENRY FORD HEALTH SYSTEM	Cui, Yuehua	STATISTICS PROBABILITY	STATISTICAL ANALYSIS OF SPATIAL TRANSCRIPTOMICS DATA
353	\$48,839	NATIONAL SCIENCE FOUNDATION	Sung, Chih-Li	STATISTICS PROBABILITY	COLLABORATIVE RESEARCH: EFFICIENT BAYESIAN GLOBAL OPTIMIZATION WITH APPLICATIONS TO DEEP LEARNING AND COMPUTER EXPERIMENTS
354	\$41,076	NATIONAL SCIENCE FOUNDATION	Xiao, Yimin	STATISTICS PROBABILITY	CONFERENCE: WORKSHOP ON STOCHASTIC ANALYSIS, RANDOM FIELDS, AND APPLICATIONS
COLLEGE OF NURSING					
355	\$21,000	AVIDHRT INC	Deka, Pallav	NURSING	ESTABLISHING THE VALIDITY AND RELIABILITY OF THE AVIDHRT SENSE IN MEASURING CARDIAC RHYTHMS
356	\$499,989	HEALTH RESOURCES & SERVICES ADMINISTRATION	Dontje, Katherine	NURSING	INCREASING ACCESS, RECRUITMENT AND RETENTION OF SEXUAL ASSAULT EXAMINERS

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357	\$14,130	HEALTH RESOURCES & SERVICES ADMINISTRATION	Lourens, Gayle	NURSING	IMPROVING ACCESS TO QUALITY ANESTHESIA CARE THROUGH TRAINEESHIP SUPPORT
COLLEGE OF OSTEOPATHIC MEDICINE					
358	\$9,000	XENON PHARMACEUTICALS INC	Burghardt, Tyson	NEUROLOGY AND OPHTHALMOLOGY COM	A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTICENTER PHASE 3 STUDY TO EVALUATE THE SAFETY, TOLERABILITY, AND EFFICACY OF XEN1101 AS ADJUNCTIVE THERAPY IN FOCAL-ONSET SEIZURES
359	\$5,707	AEON BIOPHARMA, INC.	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	AN OPEN-LABEL, MULTICENTER STUDY TO EVALUATE THE SAFETY AND EFFICACY OF REPEAT INTRAMUSCULAR ABP-450 (PRABOTULINUMTOXINA) INJECTION FOR THE TREATMENT OF CERVICAL DYSTONIA
360	\$6,106	ADDEX PHARMA SA	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	ADDEX PHARMA S.A. / "PHASE 2B/3, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL-GROUP, MULTICENTER STUDY TO EVALUATE THE SAFETY AND EFFICACY OF DIPRAGLURANT (ADX48621) FOR THE TREATMENT
361	\$31,160	NEURODERM LTD	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A MULTICENTER, RANDOMIZED, ACTIVE-CONTROLLED, DOUBLE-BLIND, DOUBLE-DUMMY, PARALLEL GROUP CLINICAL TRIAL, INVESTIGATING THE EFFICACY, SAFETY, AND TOLERABILITY OF CONTINUOUS SUBCUTANEOUS ND0612 INFUSION
362	\$21,790	ANNOVIS BIO INC	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A 6-MONTH PROSPECTIVE, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED CLINICAL TRIAL INVESTIGATING THE EFFICACY, SAFETY, AND TOLERABILITY OF TWO DIFFERENT DOSES OF BUNTANETAP OR PLACEBO
363	\$19,940	VIRIDIAN INC	Kaufman, David	NEUROLOGY AND OPHTHALMOLOGY COM	A MULTIPLE ASCENDING DOSE (MAD) SAFETY, TOLERABILITY & EFFICACY STUDY OF VRDN-001, A HUMANIZED MONOCLONAL ANTIBODY DIRECTED AGAINST THE IGF-1 RECEPTOR, IN SUBJECTS WITH THYROID EYE DISEASE (TED)
364	\$7,000	ELI LILLY & CO	Khalil, Suad	NEUROLOGY AND OPHTHALMOLOGY COM	PROTOCOL H8H-MC-LAHW A PHASE 3, 12-MONTH, OPEN-LABEL STUDY OF LASMIDITAN IN PEDIATRIC PATIENTS WITH MIGRAINE - PIONEER-PEDS2
365	\$27,889	RA PHARMACEUTICALS INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, MULTICENTER, OPEN-LABEL EXTENSION STUDY OF ZILUCOPLAN IN SUBJECTS WITH GENERALIZED MYASTHENIA GRAVIS
366	\$37,201	EISAI INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	EISAI BAN2401-G000-201 OPEN LABEL EXTENSION
367	\$14,553	ALBERT EINSTEIN COLLEGE OF MEDICINE INC	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	DEFINING THE MECHANISM OF COMA IN CEREBRAL MALARIA

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368	\$529,422	NATIONAL INST OF HEALTH	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	IDENTIFYING FUNCTIONAL ANTIBODY RESPONSES THAT PROTECT AGAINST MALARIA IN CHILDREN
369	\$5,742	BOSTON UNIV	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	COVID - TRANSMISSION AND MORBIDITY IN MALAWI (COVID-TMM)
370	\$194,260	NATIONAL INST OF HEALTH	Liby, Karen	PHARMACOLOGY TOXICOLOGY	NRF2, IMMUNE CELLS AND LUNG CANCER
371	\$343,164	NATIONAL INST OF HEALTH	Tykocki, Nathan	PHARMACOLOGY TOXICOLOGY	TRPV1 MEDIATES PROGRESSIVE STRESS-INDUCED BLADDER DYSFUNCTION
372	\$9,547	UNIVERSITY OF CHICAGO	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	IMPACT OF HOUSEHOLD AIR POLLUTION (HAP) IN-UTERO THROUGH EARLY CHILDHOOD ON CHILD NEUROCOGNITIVE DEVELOPMENT FROM INFANCY TO 8 YEARS (HAPCOG STUDY)
373	\$32,280	MOREHOUSE SCHOOL OF MEDICINE	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	PROTECTIVE ROLE OF NEUREGULIN-1 AGAINST CEREBRAL MALARIA_INDUCED NEURONAL INJURY AND BEHAVIORAL SEQUELAE
COLLEGE OF SOCIAL SCIENCE					
374	\$300,000	AMAZON	Kammel, Kari	CNTR ANTI COUNTERFEIT AND PROD PROTECT	TBD PROJECTS AROUND INFORMATION SHARING, ENFORCEMENT ACTIVITY AND INITIATIVES, BEST PRACTICES, OR OTHER FOR ANTI-COUNTERFEITING AND BRAND PROTECTION
375	\$47,464	UNIVERSITY OF ALABAMA AT BIRMINGHAM	Maxwell, Christopher	CRIMINAL JUSTICE	MEDICATION ADMINISTRATION AND CHEMICAL RESTRAINTS IN FAMILY CAREGIVING FOR ALZHEIMER'S DISEASE AND RELATED DEMENTIA
376	\$100,000	CNA	McGarrell, Edmund	CRIMINAL JUSTICE	FY21 PROJECT SAFE NEIGHBORHOODS TRAINING AND TECHNICAL ASSISTANCE PROGRAM
377	\$67,740	BLACK FAMILY DEVELOPMENT INC	Melde, Christopher	CRIMINAL JUSTICE	PROJECT SAFE NEIGHBORHOODS - RESEARCH PARTNER
378	\$99,336	SYNOPTIC DATA CORP	Andresen, Jeffrey	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	NATIONAL MESONET PROGRAM FOR MSU ENVIROWEATHER EFFORT
379	\$24,992	USDA FOREST SERVICE	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	LEGACY TEUI DATA DIGITIZATION PROJECT FOR HURON-MANISTEE NATIONAL FORESTS
380	\$24,991	MICHIGAN STATE UNIV FOUNDATION	Dahlin, Kyla	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	VEGETATION STRUCTURAL AND FUNCTIONAL DIVERSITY AS KEY DRIVERS OF CARBON UPTAKE ACROSS BIOMES
381	\$567,618	NATIONAL INST OF HEALTH	Pearson, Amber	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	IMPACT OF ECOLOGICAL PARK RESTORATION ON HEALTH IN LOW INCOME NEIGHBORHOODS: A NATURAL EXPERIMENT

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382	\$55,919	DESERT RESEARCH INST	Schaetzl, Randall	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	SUPPORT FOR GRADUATE STUDENT
383	\$221,389	UNIVERSITY OF ILLINOIS	Theuerkauf, Ethan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	SUSTAINABLE NEARSHORE MANAGEMENT SOLUTIONS TO PREVENT CRITICAL HABITAT LOSS AT ILLINOIS BEACH STATE PARK, PHASE 2
384	\$78,079	UNIVERSITY OF MARYLAND	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	NASA ACRES: A CLIMATE RESILIENT ECOSYSTEM APPROACH TO STRENGTHENING US AGRICULTURE
385	\$695,705	WILDLIFE WORKS CARBON	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	DEMOCRATIC REPUBLIC OF CONGO SATELLITE FOREST CANOPY COVER, LOSS AND SWAMP EXTENT MAPPING, DEMONSTRATION PILOT IN SUPPORT OF WILDLIFE WORKS CARBON LLC REDD+ PROJECTS
386	\$640,550	INST OF EDUCATION SCIENCES	Bowles, Ryan	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	DEVELOPMENT AND VALIDATION OF COMPLEMENTARY MEASURES OF EARLY WRITING: TEACHER PRACTICES AND CHILD OUTCOMES
387	\$11,500	OXFAM AMERICA	Tapia Y Van Maldeghem, Maite	HUMAN RESOURCES AND LABOR RELATIONS	AMAZON WAREHOUSES AND FULFILLMENT CENTERS: CONTEMPORARY FORMS OF WORKER CONTROL
388	\$347,565	NATIONAL ENDOWMENT FOR THE HUMANITIES	Keller, Candace	MATRIX HUM ARTS LETTERS SOC SCI ONLINE	WILLIS E. BELL PHOTOGRAPHIC ARCHIVE
389	\$525,347	AFROBAROMETER	Logan, Carolyn	POLITICAL SCIENCE	AFROBAROMETER ROUNDS 8 AND 9: ANALYSIS UNIT SUPPORT
390	\$219,907	NATIONAL SCIENCE FOUNDATION	Buchanan, Nicole	PSYCHOLOGY SOCIAL SCIENCE	COLLABORATIVE RESEARCH: INCREASING INCLUSION AND EQUITY OF MINORITIZED STEM FACULTY: EXAMINING THE ROLE OF EPISTEMIC EXCLUSION IN SCHOLAR(LY) EVALUATION PRACTICES.
391	\$627,146	NATIONAL INST OF HEALTH	Ingersoll, Brooke	PSYCHOLOGY SOCIAL SCIENCE	2/4: IMPROVING THE PART C EARLY INTERVENTION SERVICE DELIVERY SYSTEM FOR CHILDREN WITH ASD: A RANDOMIZED CLINICAL TRIAL
392	\$47,694	NATIONAL INST OF HEALTH	Leininger, Gina	PSYCHOLOGY SOCIAL SCIENCE	ROLE OF CENTRAL NEUROTENSIN SIGNALING IN THE VENTRAL TEGMENTAL AREA FOR INGESTIVE BEHAVIOR AND BODY WEIGHT
393	\$381,872	NATIONAL INST OF HEALTH	Liu, Taosheng	PSYCHOLOGY SOCIAL SCIENCE	REPRESENTATION OF ATTENTIONAL PRIORITY FOR VISUAL FEATURES IN THE HUMAN BRAIN
394	\$576,080	NATIONAL INST OF HEALTH	Puckett, Jae	PSYCHOLOGY SOCIAL SCIENCE	MODELING RESILIENCE AS A MULTIDIMENSIONAL PROTECTIVE FACTOR FOR TRANSGENDER HEALTH DISPARITIES: MEASURE DEVELOPMENT AND LONGITUDINAL EVALUATION OF RESILIENCE
395	\$495,507	CENTERS FOR DISEASE CONTROL & PREVENTION	McCauley, Heather	SOCIAL WORK	THE PUBLIC WILL CAMPAIGN: SHIFTING SOCIAL NORMS TO PREVENT CHILD SEXUAL ABUSE
396	\$125,007	NATIONAL SCIENCE FOUNDATION	shuster, stef	SOCIOLOGY SOCIAL SCIENCE	CAREER: TRANS EUGENICS: SCIENTIFIC AND MEDICAL CONTROL OVER RE(PRODUCTIVE) BODIES

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OFFICE OF UNDERGRADUATE EDUCATION					
397	\$425,000	US DEPT OF EDUCATION	Garcia, Luis	MIGRANT STUDENT SERVICES	COLLEGE ASSISTANCE MIGRANT PROGRAM
398	\$474,747	US DEPT OF EDUCATION	Garcia, Luis	MIGRANT STUDENT SERVICES	MICHIGAN STATE UNIVERSITY HEP (HIGH SCHOOL EQUIVALENCY PROGRAM)
399	\$816,575	US DEPT OF EDUCATION	Martin, Amy	SUPPORTIVE SERVICES PROGRAM	MICHIGAN STATE UNIVERSITY STUDENT SUPPORT SERVICES
COLLEGE OF VETERINARY MEDICINE					
400	\$250,000	NATIONAL INST OF FOOD & AGRICULTURE	Abuelo Sebio, Angel	LARGE ANIMAL CLINICAL SCIENCES	RECRUITING AND RETAINING THE FUTURE VETERINARY AGRICULTURAL WORKFORCE THROUGH AN ONLINE CERTIFICATE IN BOVINE HEALTH MANAGEMENT
401	\$180,000	NATIONAL INST OF FOOD & AGRICULTURE	Kesler, Katy	LARGE ANIMAL CLINICAL SCIENCES	HARNESSING THE ANTIOXIDANT POTENTIAL OF ZINC AND METALLOTHIONEIN TO IMPROVE NEONATAL DAIRY CALF VACCINE RESPONSIVENESS.
402	\$78,790	SEATTLE CHILDRENS RESEARCH INST	Moeser, Adam	LARGE ANIMAL CLINICAL SCIENCES	FXIIIa PRODUCTION BY MAST CELLS FOR INNATE IMMUNITY
403	\$15,957	WEST VIRGINIA UNIV	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	IMPACT OF PARTICLE AND OZONE INHALATION CO-EXPOSURE ON ALVEOLAR EPITHELIAL REGENERATION
404	\$407,913	NATIONAL INST OF HEALTH	Luyendyk, James	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	NOVEL COAGULATION-DEPENDENT MECHANISMS OF LIVER REGENERATION TO DETECT AND PREVENT LIVER DYSFUNCTION AFTER PARTIAL HEPATECTOMY
405	\$587,852	NATIONAL INST OF HEALTH	Luyendyk, James	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	NOVEL STRATEGIES TO ACCELERATE REPAIR OF DRUG-INDUCED HEPATOTOXICITY
406	\$1,660,425	ABBVIE INC	Komaromy, Andras	SMALL ANIMAL CLINICAL SCIENCES	DEVELOPMENT AND MAINTENANCE OF GLAUCOMA DOG COLONY
407	\$1,100,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Meyers, Kelley	SMALL ANIMAL CLINICAL SCIENCES	COMMUNITY MEDICINE PROGRAM
408	\$29,588	WASHINGTON UNIV IN ST LOUIS	Olivier, Nicholas	SMALL ANIMAL CLINICAL SCIENCES	GESTATIONAL HYPERANDROGENISM IN CARDIOVASCULAR PROGRAMMING
409	\$165,908	FOUNDATION FIGHTING BLINDNESS INC	Petersen-Jones, Simon	SMALL ANIMAL CLINICAL SCIENCES	CHARACTERIZATION OF A LARGE ANIMAL STARGARDT DISEASE MODEL – SUITABILITY FOR TRANSLATIONAL THERAPY TRIALS

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	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
410	\$100,000	FOUNDATION FIGHTING BLINDNESS INC	Petersen-Jones, Simon	SMALL ANIMAL CLINICAL SCIENCES	KNOCK-DOWN AND REPLACEMENT THERAPY FOR DOMINANT CRX-ASSOCIATED RETINOPATHIES
411	\$1,029,474	US DEPT OF AGRICULTURE	Dodd, Kimberly	VETERINARY DIAGNOSTIC LABORATORY	MANAGEMENT OF THE UNUSUAL MORBIDITY/MORTALITY EVENT (UME) PROJECT
412	\$137,870	US DEPT OF AGRICULTURE	Dodd, Kimberly	VETERINARY DIAGNOSTIC LABORATORY	MSU VDL FY 23 NAHLN LABORATORY LEVEL ONE DESIGNATION - FARM BILL FUNDING
413	\$70,984	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Dodd, Kimberly	VETERINARY DIAGNOSTIC LABORATORY	BIOTERRORISM PREPAREDNESS - DIAGNOSTIC CTR FOR POPULATION AND ANIMAL HEALTH
FACILITY FOR RARE ISOTOPE BEAMS					
414	\$420,000	US DEPT OF ENERGY	Bogner, Scott	FACILITY FOR RARE ISOTOPE BEAMS	FRIB THEORY ALLIANCE
415	\$600,000	NATIONAL SCIENCE FOUNDATION	Bogner, Scott	FACILITY FOR RARE ISOTOPE BEAMS	QUANTUM MANY-BODY THEORIES FOR THE NUCLEAR EQUATION OF STATE
416	\$69,000	US DEPT OF ENERGY	Hao, Yue	FACILITY FOR RARE ISOTOPE BEAMS	ARTIFICIAL INTELLIGENCE APPLICATION IN NONLINEAR BEAM DYNAMICS STUDY FOR FUTURE HEP ACCELERATORS
417	\$66,429	ARGONNE NATIONAL LABORATORY	Hao, Yue	FACILITY FOR RARE ISOTOPE BEAMS	USE OF ARTIFICIAL INTELLIGENCE TO OPTIMIZE ACCELERATOR OPERATIONS AND IMPROVE MACHINE PERFORMANCE
418	\$256,000	NATIONAL SCIENCE FOUNDATION	Lee, Dean	FACILITY FOR RARE ISOTOPE BEAMS	EFFICIENT QUANTUM STATE PREPARATION ALGORITHMS
419	\$66,133	LAWRENCE BERKELEY NATIONAL LABORATORY	Lidia, Steven	FACILITY FOR RARE ISOTOPE BEAMS	DELIVERING LASER-DRIVEN IONS TO STUDY ULTRA-HIGH DOSE RATE RADIOBIOLOGICAL EFFECTS
420	\$337,500	NATIONAL SCIENCE FOUNDATION	Lynch, William	FACILITY FOR RARE ISOTOPE BEAMS	WINDOW ON THE UNIVERSE: EQUATION OF STATE OF ASYMMETRIC NUCLEAR MATTER
421	\$240,000	US DEPT OF ENERGY	Nazarewicz, Witold	FACILITY FOR RARE ISOTOPE BEAMS	NUCLEAR COMPUTATIONAL LOW ENERGY INITIATIVE (NUCLEI)
422	\$345,000	US DEPT OF ENERGY	Saito, Kenji	FACILITY FOR RARE ISOTOPE BEAMS	DEVELOPMENT OF TRANSFORMATIVE PREPARATION METHODS TO PUSH UP HIGH Q&G PERFORMANCE OF FRIB SPARE HWR CRYOMODULE CAVITIES
423	\$3,000,000	US DEPT OF ENERGY	Severin, Gregory	FACILITY FOR RARE ISOTOPE BEAMS	ACCELERATOR IMPROVEMENT PROJECT: ISOTOPE HARVESTING AT FRIB
424	\$2,000,000	NATIONAL SCIENCE FOUNDATION	Spyrou, Artemisia	FACILITY FOR RARE ISOTOPE BEAMS	WINDOWS ON THE UNIVERSE: NUCLEAR ASTROPHYSICS AT FRIB

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	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
425	\$45,733	JEFFERSON SCIENCE ASSOCIATES LLC	Spyrou, Artemisia	FACILITY FOR RARE ISOTOPE BEAMS	STUDENT TRAINING AND ENGAGEMENT PROGRAM IN UNDERGRADUATE PHYSICS
426	\$3,000,000	MISSILE DEFENSE AGENCY	Stolz, Andreas	FACILITY FOR RARE ISOTOPE BEAMS	SINGLE EVENT EFFECT TEST FACILITY UPGRADE
427	\$832,295	STANFORD LINEAR ACCELERATOR CENTER	Xu, Ting	FACILITY FOR RARE ISOTOPE BEAMS	PROPOSAL TO SUPPLY LCLS-II HE SRF GUN
428	\$54,000	NATIONAL SCIENCE FOUNDATION	Bogner, Scott	NAT'L SUPERCONDUCTING CYCLOTRON LAB	QUANTUM MANY-BODY THEORIES AND METHODS FOR NUCLEAR PHYSICS
429	\$90,000	NATIONAL SCIENCE FOUNDATION	Brown, Boyd	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR STRUCTURE THEORY AND ITS APPLICATIONS TO NUCLEAR PROPERTIES, ASTROPHYSICS AND FUNDAMENTAL PHYSICS
430	\$50,000	NATIONAL SCIENCE FOUNDATION	Brown, Boyd	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR STRUCTURE THEORY AND ITS APPLICATIONS TO NUCLEAR PROPERTIES, ASTROPHYSICS AND FUNDAMENTAL PHYSICS
431	\$100,000	US DEPT OF ENERGY	Brown, Kyle	NAT'L SUPERCONDUCTING CYCLOTRON LAB	INTERTWINING NUCLEAR STRUCTURE AND REACTIONS WITH EXOTIC NUCLEI
432	\$112,000	US DEPT OF ENERGY	Singh, Jaideep	NAT'L SUPERCONDUCTING CYCLOTRON LAB	ELECTRIC FIELD & ATOMIC BEAM DEVELOPMENT FOR THE LASER TRAP RA-225 EDM EXPERIMENT
ASC PROV FOR UNIV OUTREACH ENGAGEMENT					
433	\$601,070	DEPT OF LABOR & ECONOMIC OPPORTUNITY	Anthony, Stephanie	ADMIN SUPPORT MLK INITIATIVE	GEAR UP STUDENT PROGRAMMING AND EDUCATIONAL SUPPORT
434	\$649,036	NATIONAL INST OF FOOD & AGRICULTURE	Siles, Marcelo	JULIAN SAMORA RESEARCH INSTITUTE	LATINO FARMERS AND THE ADOPTION OF TECHNOLOGY (LAFAT) PROMOTING SMALL LATINO FARMERS IN THE ADOPTION OF APPROPRIATE TECHNOLOGY
435	\$50,000	CORP FOR NATIONAL & COMMUNITY SERVICE AMERICORPS	Barnes Najor, Jessica	OUTREACH AND ENGAGEMENT PARTNERSHIPS	MSU STATE OPIOID PROJECT
INTERNATIONAL STUDIES AND PROGRAMS					
436	\$335,493	US DEPT OF EDUCATION	Monson, Jamie	AFRICAN STUDIES CENTER	NATIONAL RESOURCE CENTERS PROGRAM
437	\$288,660	US DEPT OF EDUCATION	Chandra, Siddharth	ASIAN STUDIES CENTER	ASIAN STUDIES CENTER - FLAS

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	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
438	\$289,327	US DEPT OF EDUCATION	Chandra, Siddharth	ASIAN STUDIES CENTER	ASIAN STUDIES CENTER - TITLE VI NATIONAL RESOURCE CENTER 2022-2026
439	\$185,834	NATIONAL SCIENCE FOUNDATION	Woodruff, Teresa	CENTER FOR GENDER IN GLOBAL CONTEXT	COLLABORATIVE RESEARCH: ADVANCE PARTNERSHIP: STEM INTERSECTIONAL EQUITY IN DEPARTMENTS (SIEDS): A PARTNERSHIP FOR INCLUSIVE WORK CULTURES
440	\$61,166	PEACE CORPS	Green, Ashley	INTERNATIONAL STUDIES AND PROGRAMS DEAN	PROPOSAL TO SERVE AS PEACE CORPS RECRUITING OFFICE
441	\$225,619	US DEPT OF EDUCATION	Medina, Laurie	LATIN AMERICAN STUDIES CENTER	FOREIGN LANGUAGE AND AREA STUDIES FELLOWSHIP (FLAS) PROGRAM
442	\$270,660	US DEPT OF EDUCATION	Medina, Laurie	LATIN AMERICAN STUDIES CENTER	NATIONAL RESOURCE CENTERS (NRC) PROGRAM
443	\$55,617	US DEPT OF STATE	Wu, Xinyu	VISITING INTNL PROFESSIONAL PROGRAM	DEVELOPING FEMALE LEADERSHIP IN HIGHER EDUCATION
MSU AGBIORESEARCH					
444	\$324,904	NATIONAL INST OF FOOD & AGRICULTURE	Isaacs, Rufus	ENTOMOLOGY MABR	REBUILDING BERRY IPM PROGRAMS IN AN ERA OF SPOTTED-WING DROSOPHILA
445	\$10,000	MICHIGAN CHERRY COMMITTEE	Wilson, Julianna	ENTOMOLOGY MABR	TREE FRUIT INTEGRATOR POSITION
446	\$1,536,626	US AGENCY FOR INTL DEVELOPMENT	Buhler, Douglas	MSU AGBIORESEARCH DIR OFC	FEED THE FUTURE INNOVATION LAB FOR LEGUME SYSTEMS RESEARCH (ILLSR)
447	\$196,778	NATIONAL SCIENCE FOUNDATION	Chung, Henry	MSU AGBIORESEARCH DIR OFC	COLLABORATIVE RESEARCH: MOLECULAR AND EVOLUTIONARY MECHANISMS UNDERLYING THE RAPID GAIN AND LOSS OF AN INSECT PHEROMONE
448	\$2,908,528	US AGENCY FOR INTL DEVELOPMENT	Douches, David	MSU AGBIORESEARCH DIR OFC	FEED THE FUTURE GLOBAL BIOTECH POTATO PARTNERSHIP
449	\$92,606	UNIVERSITY OF NEW MEXICO	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTGN MABR	CONTAMINANT METAL CONTENT IN WILDFIRE SMOKE AND NEUROINFLAMMATION
450	\$86,737	BEET SUGAR DEVELOPMENT FOUNDATION	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	FUNDS TO COVER FIELD RESEARCH TECHNICIAN COMPUTER
451	\$249,932	UNIVERSITY OF MINNESOTA	Isaacs, Krista	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATING AN UNDER-UTILIZED SPECIES FOR CLIMATE RESILIENT FORAGE AND COVER CROP OPTIONS IN NORTH CENTRAL REGION CROPPING SYSTEMS
MICHIGAN STATE UNIVERSITY EXTENSION					

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	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
452	\$461,400	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Ferry, Elizabeth	EXTENSION AGRICULTURE AND AGRIBUSINESS	EMERGENCY RESPONSE TO ACCIDENTS INVOLVING LIVESTOCK - TRAINING & RESPONSE TRAILERS
453	\$11,970	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Fronczak, Sarah	EXTENSION AGRICULTURE AND AGRIBUSINESS	ST. JOSEPH WLEB PHOSPHORUS REDUCTION COST-SHARE
454	\$7,593	MICHIGAN CHERRY COMMITTEE	Lauwers, Erin	EXTENSION AGRICULTURE AND AGRIBUSINESS	INVESTIGATION OF KASUMIN ANTIBIOTIC AND MASTERCOP BACTERICIDE TO CONTROL PSEUDOMONAS SYRINGAE PV. SYRINGAE CAUSING BACTERIAL CANKER AND POTENTIAL FOR PHYTOXICITY ON SWEET CHERRY FLOWERS
455	\$26,500	MICHIGAN CRAFT BEVERAGE COUNCIL	Nasrollahiazar, Esmaeil	EXTENSION AGRICULTURE AND AGRIBUSINESS	MEETING MICHIGAN'S GRAPE AND WINE INDUSTRY'S EDUCATIONAL NEEDS IN 2023
456	\$214,000	US ENVIRONMENTAL PROTECTION AGENCY	Smith, Thomas	EXTENSION AGRICULTURE AND AGRIBUSINESS	ENGAGING ALL STAKEHOLDERS: MEETING THE INCREASING NEEDS OF PESTICIDE APPLICATOR CERTIFICATION AND WORKER PROTECTION THROUGH INCREASED COLLABORATION AND DIVERSITY OF PARTNERS AND STAKEHOLDERS, WITH EXP
457	\$5,531	MICHIGAN 4H FOUNDATION	Schulz, Jodi	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
458	\$34,712	MICHIGAN 4H FOUNDATION	Schulz, Jodi	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
459	\$58,163	NATIONAL PARK SERVICE	Bassett, Tyler	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	ASSESSING SOIL CAP CONDITIONS AND IDENTIFYING MANAGEMENT GOALS, RIVER RAISIN NATIONAL BATTLEFIELD
460	\$29,999	USDA FOREST SERVICE	Bassett, Tyler	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MNFI INVENTORY, MONITORING AND HURON - MANISTEE NATIONAL FORESTS - MOD 2 GINSENG RESTORATION
461	\$12,364	USDA FOREST SERVICE	Bockelman, Kelsey	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MOBILE BOAT WASH PROGRAM FOR AQUATIC INVASIVE SPECIES PREVENTION
462	\$94,500	MICHIGAN DEPT OF NATURAL RESOURCES	Bohling, Mary	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	EXTENDING THE REACH OF MI PADDLE STEWARDS THROUGH COLLABORATIVE PARTNERSHIPS
463	\$36,716	MICHIGAN CRAFT BEVERAGE COUNCIL	Dedecker, James	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	DEVELOPING QUALITY ANALYSIS PROTOCOLS FOR NON-BARLEY GRAINS USED IN CRAFT BEVERAGES

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	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
464	\$53,357	US FISH & WILDLIFE SERVICE	Monfils, Michael	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	SUPPORTING THE DEVELOPMENT OF A GREAT LAKES MARSH BIRD CONSERVATION FRAMEWORK
465	\$17,000	UNIVERSITY OF MINNESOTA DULUTH	Nelson, Elliot	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	ADVANCING THE GREAT LAKES AQUACULTURE COLLABORATIVE
466	\$69,983	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Proctor, Emily	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	2023-2024 NCR-SARE STATE PLAN OF WORK
467	\$49,114	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Rogers, Rebecca	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	EGLA ANNUAL ACCESS TO NATURAL HERITAGE DATABASE
468	\$115,847	PURDUE UNIV	Schroeder, Brandon	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	THE CENTER FOR GREAT LAKES LITERACY: FOSTERING STEWARDSHIP, SUSTAINABILITY, AND A SENSE OF PLACE IN RESIDENTS OF THE GREAT LAKES BASIN
469	\$159,059	GREAT LAKES FISHERY TRUST	Schroeder, Brandon	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	TEACHING GREAT LAKES LITERACY: CONNECTING SCIENTISTS, EDUCATORS, AND YOUTH THROUGH RESEARCH AND DATA EXPLORATION
470	\$35,000	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	Tobe, Erica	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	2023 HOUSING EDUCATION PROGRAM GRANT (HEP)
471	\$92,246	UNIVERSITY OF MICHIGAN	Trizenberg, Heather	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	SEA GRANT - GLERL/GLRCT LIAISON PROGRAM, 2022/2024
472	\$86,530	ALLEN FOUNDATION	Earnesty, Dawn	EXTENSION HEALTH AND NUTRITION	GROWING HEALTHY EATERS: STRENGTHENING LOCAL FRUIT AND VEGETABLE ACCESS
473	\$599,899	ADMINISTRATION FOR COMMUNITY LIVING	Eschbach, Cheryl	EXTENSION HEALTH AND NUTRITION	EXPANDING AND SUSTAINING CDSME FOR MICHIGAN'S UNDERSERVED OLDER ADULTS
474	\$18,059	CLEMSON UNIV	Galdamez, Imelda	EXTENSION HEALTH AND NUTRITION	FACT-CIN: EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM - WEBNEERS
475	\$108,766	MICHIGAN SUGARBEET ADVANCEMENT	Bublitz, Daniel	PLANT SOIL AND MICROBIAL SCIENCES	SALARY AND FRINGE FOR RG072614 BUBL
476	\$12,000	MONSANTO CO	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATION OF TRECEPTA FOR YIELD AND EFFICACY ON WESTERN BEAN CUTWORM

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	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
477	\$57,600	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Beyea, Wayne	SCHL OF PLANNING,DESIGN&CNST-MSUE	CLIMATE AND HEALTH CATALYST COMMUNITIES
RESEARCH AND INNOVATION					
478	\$30,000	HEMLOCK SEMICONDUCTOR CORP	Hatfield, John	AXIA INSTITUTE	AXIA MEMBERSHIPS
479	\$2,097,886	NATIONAL INST OF HEALTH	Kaminski, Norbert	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	ENVIRONMENTAL, MICROBIAL AND MAMMALIAN BIOMOLECULAR RESPONSES TO AHR LIGANDS
480	\$514,512	NATIONAL INST OF HEALTH	Kaminski, Norbert	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	CANNABIS USE FREQUENCY AND ITS IMPACT ON MONOCYTE-MEDIATED INFLAMMATION IN HIV PATIENTS
481	\$488,858	NATIONAL INST OF HEALTH	Kaminski, Norbert	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	CANNABINOIDS MODULATE IMMUNE CELL-PROVOKED ASTROCYTE FUNCTIONS TO SUPPRESS HIV-ASSOCIATED NEUROINFLAMMATORY RESPONSES
482	\$1,000,000	MICHIGAN STATE UNIV FOUNDATION	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	VP RESEARCH CLIMATE/CRITICAL INFRASTRUCTURE
483	\$1,452,500	MICHIGAN STATE UNIV FOUNDATION	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY COMMERCIALIZATION - MSUT (RG100310)
UNIVERSITY ADVANCEMENT					
484	\$32,019,529	VARIOUS DONORS - ADVANCEMENT*	Tobin, Kim	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR THE PERIOD 04/01/2022 TO 06/30/2022
MICHIGAN STATE UNIVERSITY COLLEGE OF LAW					
485	\$90,000	US DEPT OF TREASURY	Wease, Christina	COLLEGE OF LAW DEAN	MICHIGAN STATE UNIVERSITY LOW-INCOME TAXPAYER CLINIC
MSU UNIVERSITY RESEARCH ORGANIZATION					
486	\$50,000	APPLIED RESEARCH ASSOCIATES INC	Mackey, Kevin	UNIVERSITY RESEARCH ORGANIZATION	HIGH-EXPLOSIVE EXPERIMENT AND ANALYSIS
UNIVERSITY ARTS AND COLLECTIONS					
487	\$10,000	ARTS COUNCIL OF GREATER LANSING	Word, Michelle	ART MUSEUM	MSU BROAD ART MUSEUM OPERATIONAL SUPPORT GRIT: GAINING RECOVERY IN TRANSITION GRANT
488	\$10,000	ARTS COUNCIL OF GREATER LANSING	Word, Michelle	ART MUSEUM	ELI AND EDYTHE BROAD ART MUSEUM INGHAM COUNTY HOTEL/MOTEL ARTS AND TOURISM

*This is philanthropic cash received.

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	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
489	\$10,000	ARTS COUNCIL OF GREATER LANSING	Akmon, Devon	MUSEUM	INGHAM COUNTY HOTEL/MOTEL FUNDS FOR ARTS AND TOURISM
DEPARTMENT OF POLICE AND PUBLIC SAFETY					
490	\$11,344	MICHIGAN STATE POLICE	Dunlap, James	DEPARTMENT OF POLICE AND PUBLIC SAFETY	IN SERVICE TRAINING OF POLICE OFFICERS
VARIOUS					
491	\$113,749	VARIOUS	Various	Various	50 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	\$182,730,469	Total September 2023 Board			

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
September 8, 2023

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Donor golf event	Aaron Zeigler	Intercollegiate Athletics Spartan Fund	\$21,196.29	Donor golf event
2	Building materials	James Rosenthal	Intercollegiate Athletics Spartan Fund	\$10,103.04	Lumber for construction of Tom Izzo Football Building
3	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$8,623.64	Recruiting trip for men's basketball
4	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$7,454.67	Recruiting trip for men's basketball
5	Joe's Seafood, Prime Steak & Stone Crab	Kevin Brown	Intercollegiate Athletics Spartan Fund	\$6,153.12	Hosted MSU Athletics Dinner
6-16	Various	Various	Various	\$6,078.12	11 Consolidated non-cash gifts for individual values less than \$5,000 details on file in the Hannah Administration Building Contract & Grant Administration Office, Room 2 426 Auditorium Road East Lansing, MI
			TOTAL	\$59,608.88	