


MICHIGAN STATE UNIVERSITY

May 31, 2023

MEMORANDUM

TO: Members of the Board of Trustees

FROM: Douglas A. Gage, Vice President 

SUBJECT: Gift, Grant and Contract Report

RECOMMENDATION: That the Board of Trustees approve the attached Gift, Grant and Contract Report for the period of March 23, 2023 through May 24, 2023. The report is a compilation of 425 Gifts, Grants and Contracts plus 53 Consignment/Non-Cash Gifts, with a total value of \$122,511,190.

FY 2022-23 TOTALS:

- | | |
|---|---------------|
| a) Gifts, Grants and Contracts only: | \$750,246,949 |
| b) Gifts, Grants and Contracts plus Consignments: | \$751,314,282 |
- (Consignments are Non-Cash Gifts and Non-Cash Loans)

RESOLUTION:

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



Office of
**RESEARCH
AND INNOVATION**

Douglas A. Gage, Ph.D.
Vice President

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Current Period / Year to Date

Gift & Grant Awards

Meeting Date: 06/16/2023

Current Period: Mar 23, 2023 - May 24, 2023

AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$55,405,125	\$440,786,070	87.8%
State of Michigan	\$6,476,215	\$13,747,492	2.7%
Other	\$2,491,041	\$18,073,688	3.6%
Industry/CO	\$3,858,830	\$10,871,810	2.2%
Foundation	\$2,880,396	\$15,407,741	3.1%
Association	\$705,791	\$3,404,516	0.7%
Research - Total	\$71,817,398	\$502,291,316	100%
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$7,894,913	\$75,681,683	30.5%
State of Michigan	\$4,199,386	\$26,666,489	10.8%
Other	\$8,317,930	\$21,771,904	8.8%
Industry/CO	\$4,048,875	\$8,044,547	3.2%
Foundation	\$5,503,509	\$11,122,756	4.5%
Association	\$78,685	\$640,563	0.3%
Various Donors - Advancement	\$20,409,382	\$104,027,690	42.0%
Non-Research - Total	\$50,452,680	\$247,955,632	100%
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$63,300,038	\$516,467,753	68.8%
State of Michigan	\$10,675,601	\$40,413,981	5.4%
Other	\$10,808,971	\$39,845,591	5.3%
Industry/CO	\$7,907,705	\$18,916,357	2.5%
Foundation	\$8,383,905	\$26,530,497	3.5%
Association	\$784,476	\$4,045,079	0.5%
Various Donors - Advancement	\$20,409,382	\$104,027,690	13.9%
TOTAL	\$122,270,078	\$750,246,949	100%

OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	204	1,212	61.0%
State of Michigan	16	82	4.1%
Other	45	268	13.5%
Industry/CO	18	240	12.1%
Foundation	10	91	4.6%
Association	22	94	4.7%
Research - Total	315	1,987	100%
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	31	262	45.3%
State of Michigan	11	55	9.5%
Other	15	88	15.2%
Industry/CO	37	87	15.1%
Foundation	13	71	12.3%
Association	2	11	1.9%
Various Donors - Advancement	1	4	0.7%
Non-Research - Total	110	578	100%
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	235	1,474	57.5%
State of Michigan	27	137	5.3%
Other	60	356	13.9%
Industry/CO	55	327	12.7%
Foundation	23	162	6.3%
Association	24	105	4.1%
Various Donors - Advancement	1	4	0.2%
TOTAL	425	2,565	100%

Current Year / Previous Year

Gift & Grant Awards

Meeting Date: 06/16/2023

Current Period: Mar 23, 2023 - May 24, 2023

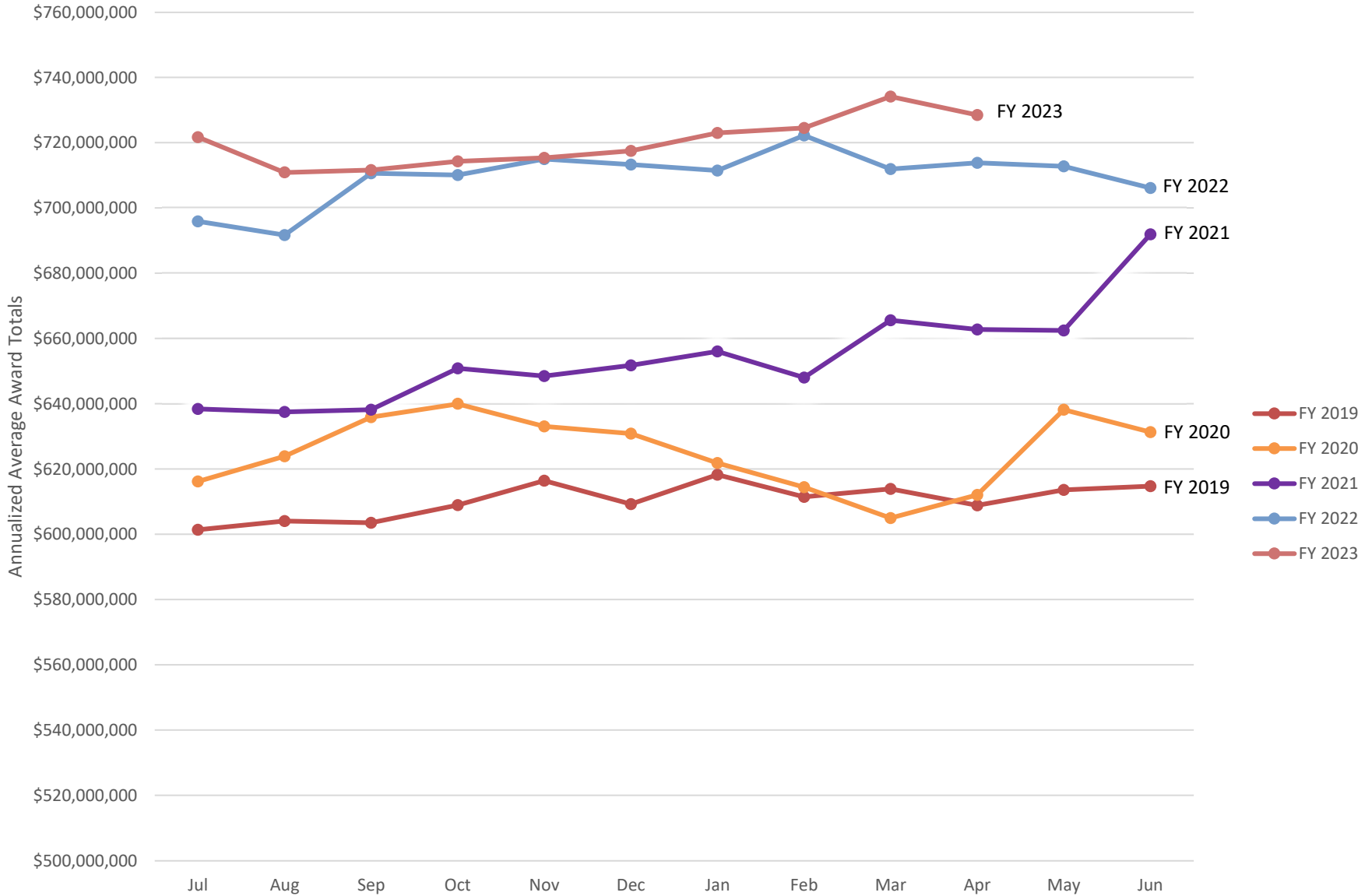
AWARD TOTALS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$375,035,193	\$440,786,070	17.5%
State of Michigan	\$18,683,257	\$13,747,492	-26.4%
Other	\$16,362,996	\$18,073,688	10.5%
Industry/CO	\$10,623,245	\$10,871,810	2.3%
Foundation	\$18,335,366	\$15,407,741	-16.0%
Association	\$2,878,791	\$3,404,516	18.3%
Research - Total	\$441,918,847	\$502,291,316	13.7%
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$94,142,291	\$75,681,683	-19.6%
State of Michigan	\$7,527,760	\$26,666,489	254.2%
Other	\$25,262,686	\$21,771,904	-13.8%
Industry/CO	\$6,340,240	\$8,044,547	26.9%
Foundation	\$8,238,325	\$11,122,756	35.0%
Association	\$221,666	\$640,563	189.0%
Various Donors - Advancement	\$170,660,163	\$104,027,690	-39.0%
Non-Research - Total	\$312,393,132	\$247,955,632	-20.6%
Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change
Federal Government	\$469,177,485	\$516,467,753	10.1%
State of Michigan	\$26,211,017	\$40,413,981	54.2%
Other	\$41,625,682	\$39,845,591	-4.3%
Industry/CO	\$16,963,485	\$18,916,357	11.5%
Foundation	\$26,573,690	\$26,530,497	-0.2%
Association	\$3,100,457	\$4,045,079	30.5%
Various Donors - Advancement	\$170,660,163	\$104,027,690	-39.0%
TOTAL	\$754,311,979	\$750,246,949	-0.5%

OF AWARDS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	1,169	1,212	3.7%
State of Michigan	96	82	-14.6%
Other	283	268	-5.3%
Industry/CO	254	240	-5.5%
Foundation	93	91	-2.2%
Association	122	94	-23.0%
Research - Total	2,017	1,987	-1.5%
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	281	262	-6.8%
State of Michigan	50	55	10.0%
Other	87	88	1.1%
Industry/CO	65	87	33.8%
Foundation	84	71	-15.5%
Association	11	11	0.0%
Various Donors - Advancement	4	4	0.0%
Non-Research - Total	582	578	-0.7%
Total			
Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	1,450	1,474	1.7%
State of Michigan	146	137	-6.2%
Other	370	356	-3.8%
Industry/CO	319	327	2.5%
Foundation	177	162	-8.5%
Association	133	105	-21.1%
Various Donors - Advancement	4	4	0.0%
TOTAL	2,599	2,565	-1.3%

Michigan State University 3 Year Annualized Average Awards



Top 10 Awards for the June 16, 2023 BOT Meeting

Rank	Sponsor Type	Award Amount	Principal Investigator	Sponsor	Department	New or Modification	Award Activity Type	Project Dates	Project Title
1	Foundation	\$5,000,000	Mona Hanna-Attisha	Charles Stewart Mott Foundation	CS MOTT DEPARTMENT OF PUBLIC HEALTH	New	Public Service	05/01/2023 04/30/2024	Rx Kids: A Prenatal and Infant Allowance in Flint, MI
2	Federal Government	\$3,357,678	Judith Barry	National Inst of Food & Agriculture	DEPARTMENT OF COMMUNITY SUSTAINABILITY	New	Public Service	01/01/2023 12/31/2027	Addressing Barriers to Better Serve Socially-Disadvantaged Michigan Producers: A Community-MSU Inclusive Technical Assistance Network
3	State of Michigan	\$3,000,000	George Smith	Michigan Dept of Agriculture & Rural Development	ABR DIRECTORS OFFICE	New	Research	05/01/2023 06/30/2026	Michigan Alliance for Animal Agriculture - 2023
4	State of Michigan	\$3,000,000	Sarah Gretter	Michigan Dept of Education	APPLE DEVELOPER ACADEMY	New	Education/Instruction	10/01/2022 09/30/2023	67c MSU Developer Academy
5	Federal Government	\$2,171,252	Mahmoodul Haq	US Dept of the Army	CIVIL AND ENVIRONMENTAL ENGINEERING	New	Research	10/01/2022 09/30/2023	Advanced Manufacturing of composites using Robotic fiber placement, Novel Multi-material Joining, and Integrated Sensors
6	Federal Government	\$2,170,000	Thomas Glasmacher	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	03/15/2018 07/31/2023	High Rigidity Spectrometer Project
7	Federal Government	\$2,000,000	Andreas Stolz	Missile Defense Agency	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	08/19/2022 03/31/2028	Single Event Effect Test Facility Upgrade
8	Federal Government	\$1,800,000	Xiaoming Liu	Intelligence Advanced Research Projects Activity	COMPUTER SCIENCE AND ENGINEERING	New	Research	05/12/2023 11/11/2025	Physics-driven Modeling and Learning for Person Recognition at a Distance and Altitude
9	Federal Government	\$1,645,866	Terrie Taylor	National Inst of Allergy & Infectious Diseases	OSTEOPATHIC MEDICAL SPECIALTIES COM	Modification	Research	07/01/2010 03/31/2024	The Intransigence of Malaria in Malawi: Understanding Hidden Reservoirs, Successful Vectors and Prevention Failures
10	Foundation	\$1,507,817	Gisela Hussey	Grayson Jockey Club Research Foundation Inc	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	New	Research	04/01/2023 03/31/2026	Use of nucleic acid vaccines to protect from EHV-1/EHM
	TOTAL	\$25,652,613							

Gift, Grant and Contract Report
Board of Trustees
June 2023

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
COLLEGE OF AGRICULTURE AND NAT RESOURCES					
1	\$14,073	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	Carpenter, Craig	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	USING JOURNEY-TO-WORK DATA TO IMPROVE SNAP PARTICIPATION RATES FOR NONMETROPOLITAN SOCIALLY DISADVANTAGED AND MILITARY FAMILIES
2	\$58,246	MICHIGAN STATE HORTICULTURAL SOCIETY	Gammans, Matthew	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	ESTIMATING FINANCIAL AND ENVIRONMENTAL SUSTAINABILITY OF APPLE PRODUCTION IN MICHIGAN.
3	\$15,134	BALL STATE UNIV	Skidmore, Mark	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	TRAINING ON MI LOCAL GOVERNMENT FINANCE WITH BALL STATE UNIVERSITY
4	\$133,067	VARIOUS INDUSTRIES	Bradford, Barry	ANIMAL SCIENCE DEPARTMENT ANR	DR. BARRY BRADFORD TESTING
5	\$200,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Buskirk, Daniel	ANIMAL SCIENCE DEPARTMENT ANR	IMPROVING CLIMATE RESILIENCY AND ECONOMIC RETURN OF MICHIGAN BEEF CATTLE BY REDUCING FEED USE
6	\$322,787	NATIONAL INST OF HEALTH	Chen, Chen	ANIMAL SCIENCE DEPARTMENT ANR	TUDOR DOMAIN PROTEINS IN GERMLINE GENOME DEFENSE
7	\$960,155	NOBLE RESEARCH INST LLC	Rowntree, Jason	ANIMAL SCIENCE DEPARTMENT ANR	METRICS, MANAGEMENT, AND MONITORING - AN INVESTIGATION IN RANGELAND AND PASTURE SOIL HEALTH AND THEIR DRIVERS
8	\$13,260	VARIOUS INDUSTRIES	Rozeboom, Dale	ANIMAL SCIENCE DEPARTMENT ANR	DR. ROZEBOOM FEE FOR SERVICE PROJECTS
9	\$100,000	NATIONAL SCIENCE FOUNDATION	Wang, Yuan	ANIMAL SCIENCE DEPARTMENT ANR	CAREER: SPECIFY GERM CELL LINEAGES FROM PLURIPOTENT STATE
10	\$15,000	MICHIGAN SOYBEAN COMMITTEE	Dong, Younsuk	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	INVESTIGATE THE IMPACT OF IRRIGATION TIMING ON WATER AND DISEASE MANAGEMENT IN SOYBEAN PRODUCTION
11	\$200,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Dong, Younsuk	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	IMPROVING IRRIGATION EFFICIENCY IN BLUEBERRY ORCHARDS USING AN IOT-BASED AUTOMATIC SMART IRRIGATION SYSTEM
12	\$1,157,858	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Ghane, Ehsan	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	EDGE OF FIELD RESEARCH PROJECT

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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
13	\$35,795	AGRICULTURAL RESEARCH SERVICE	Medina Meza, Ilce	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	COMPREHENSIVE BEANS LIPIDOME ASSESMENT
14	\$99,999	US DEPT OF AGRICULTURE	Surbrook, Truman	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	MICHIGAN RENEWABLE ENERGY DEVELOPMENT ASSISTANCE PROJECT
15	\$135,853	VARIOUS INDUSTRIES	Uludag-Demirer, Sibel	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	FEE FOR SERVICE - ADREC
16	\$3,357,678	NATIONAL INST OF FOOD & AGRICULTURE	Barry, Judith	DEPARTMENT OF COMMUNITY SUSTAINABILITY	ADDRESSING BARRIERS TO BETTER SERVE SOCIALLY-DISADVANTAGED MICHIGAN PRODUCERS: A COMMUNITY-MSU INCLUSIVE TECHNICAL ASSISTANCE NETWORK
17	\$75,000	MICHIGAN DEPT OF EDUCATION	Forbush, Mark	DEPARTMENT OF COMMUNITY SUSTAINABILITY	2022/23 OCTE GRANT
18	\$29,186	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Gensler, Liz	DEPARTMENT OF COMMUNITY SUSTAINABILITY	SPINE MICHIGAN LOCAL FOOD COUNCIL NETWORK
19	\$24,658	TWO SIX LABS	Gray, Steven	DEPARTMENT OF COMMUNITY SUSTAINABILITY	MULTI-INFORMED MODELS EMERGING FROM SOCIAL INVESTIGATIONS AND SEMIOTICS (MIMESIS)
20	\$60,000	MICHIGAN DEPT OF EDUCATION	Rogers-Randolph, Tiffany	DEPARTMENT OF COMMUNITY SUSTAINABILITY	FFA 2022-2023
21	\$56,875	UNIVERSITY OF MICHIGAN	Zwickle, Adam	DEPARTMENT OF COMMUNITY SUSTAINABILITY	A PARTICIPATORY MODELING APPROACH TO COLLABORATIVE WATER GOVERNANCE IN MICHIGAN
22	\$192,875	NATIONAL INST OF HEALTH	Chung, Henry	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BEYOND SPERMATOGENESIS: ADDITIONAL ROLES OF SEMINAL FLUID FATTY ACIDS IN MALE FERTILITY AND AGE-RELATED REPRODUCTIVE SUCCESS
23	\$33,700	VARIOUS INDUSTRIES	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	ISAACS TESTING PROJECTS
24	\$59,994	US FISH & WILDLIFE SERVICE	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MEASURING PESTICIDE EXPOSURE AND ITS CONNECTION TO BUMBLE BEE COMMUNITY HEALTH ACROSS GREAT LAKES REGION HABITATS

Gift, Grant and Contract Report
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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
25	\$37,500	US Highbush Blueberry Council	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DEVELOPING RESIDUE DECLINE CURVES IN HIGHBUSH BLUEBERRY
26	\$19,191	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESEARCH ON EXOTIC GRAPE PESTS IN MICHIGAN
27	\$25,000	WALLACE GENETIC FOUNDATION	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	INTERNATIONAL TRAINING AND CAPACITY BUILDING PROGRAM OF MICHIGAN STATE UNIVERSITY'S WORLD TECHNOLOGY ACCESS PROGRAM
28	\$110,000	USDA FOREST SERVICE	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESILIENCE OF CULTURALLY AND ECOLOGICALLY IMPORTANT ASH SPECIES THREATENED BY THE INVASIVE EMERALD ASH BORER
29	\$72,442	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SPECIAL FOCUS ON INDUSTRIAL AREAS AT RISK OF EXOTIC FOREST PEST INTRODUCTIONS
30	\$53,912	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	FOCUS ON RECREATIONAL AREAS AT RISK OF EXOTIC FOREST PEST INTRODUCTION
31	\$48,416	NORTH CENTRAL SUSTAINABLE AGRICULTURE RESEARCH	Milbrath, Meghan	ENTOMOLOGY AGRICULTURE AND NATURAL RES	INCOME THROUGH CONSERVATION: TRAINING FARMERS TO PRODUCE PLANT MATERIALS FOR SPECIALIST BUTTERFLIES
32	\$14,921	MICHIGAN SOYBEAN COMMITTEE	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EFFECTS OF DIFFERENT MANURES/COMPOSTS AND THEIR BACTERIA ON SOYBEAN CYST NEMATODE
33	\$10,000	MORGAN COMPOSTING INC	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MORGAN COMPOSTING - RES. GIFT
34	\$23,600	VARIOUS INDUSTRIES	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	QUINTANILLA TESTING PROJECTS
35	\$5,544	VARIOUS INDUSTRIES	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SMITLEY TESTING PROJECTS
36	\$49,011	NATIONAL SCIENCE FOUNDATION	Szucs, Marianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RAPID: ECO-EVOLUTIONARY DYNAMICS OF HOST-PARASITE INTERACTIONS IN A NOVEL ENVIRONMENT

Gift, Grant and Contract Report
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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
37	\$25,286	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MICHIGAN FRUIT CROP PEST RESEARCH: TREE FRUIT
38	\$20,742	MICHIGAN APPLE COMMITTEE	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TREE FRUIT INTEGRATOR POSITION
39	\$177,920	VARIOUS INDUSTRIES	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	WISE TESTING PROJECTS
40	\$210,600	MICHIGAN DEPT OF NATURAL RESOURCES	Ziegler, Amos	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MISIN - BRIDGING THE GAP AND CLOSING THE LOOP ON INVASIVE SPECIES DATA IN MICHIGAN
41	\$17,798	MICHIGAN DEPT OF NATURAL RESOURCES	Belant, Jerrold	FISHERIES AND WILDLIFE	QUANTIFYING UPPER PENINSULA DEER MOVEMENTS AND ABUNDANCE: PREPARING FOR CWD MANAGEMENT
42	\$518,880	MICHIGAN DEPT OF NATURAL RESOURCES	Belant, Jerrold	FISHERIES AND WILDLIFE	DEVELOPING A COST-EFFECTIVE TECHNIQUE TO ESTIMATE WOLF ABUNDANCE IN MICHIGAN
43	\$233,100	GRAND PORTAGE INDIAN RESERVATION	Belant, Jerrold	FISHERIES AND WILDLIFE	GLFRWA-GRAND PORTAGE WOLF PROJECT
44	\$123,487	MISSOURI DEPT OF CONSERVATION	Belant, Jerrold	FISHERIES AND WILDLIFE	ASSESSMENT OF ABUNDANCE AND DENSITY OF MISSOURI BLACK BEARS (URSUS AMERICANUS) AT VARYING SPATIAL SCALES TO IMPROVE THE FUTURE UTILITY OF MISSOURI'S CURRENT BLACK BEAR POPULATION MODEL
45	\$66,254	NATIONAL PARK SERVICE	Brenden, Travis	FISHERIES AND WILDLIFE	LAKE TROUT POPULATION MODELING FOR YELLOWSTONE LAKE
46	\$42,500	ASSOC OF FISH & WILDLIFE AGENCIES	Infante, Dana	FISHERIES AND WILDLIFE	SUPPORTING THE 2025 NATIONAL ASSESSMENT OF FISH HABITAT
47	\$69,041	MICHIGAN DEPT OF NATURAL RESOURCES	Kramer, Daniel	FISHERIES AND WILDLIFE	PERM - DAN KRAMER - SOCIAL, ECONOMIC, AND POLICY ASPECTS OF WILDERNESS MANAGEMENT
48	\$348,000	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Latimore, Jo	FISHERIES AND WILDLIFE	MICHIGAN CLEAN WATER CORPS (MICORPS) PROGRAM ADMINISTRATION
49	\$14,221	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	PERM SALARY 2022-2025 FOR JOHN HUME
50	\$82,560	GREAT LAKES FISHERY COMMISSION	Robinson, John	FISHERIES AND WILDLIFE	VALIDATE AND APPLY SEA LAMPREY DIET ANALYSIS USING DNA METABARCODING
51	\$37,057	MICHIGAN DEPT OF NATURAL RESOURCES	Roloff, Gary	FISHERIES AND WILDLIFE	WILDLIFE RESPONSES TO INNOVATIVE SILVICULTURAL APPROACHES IN NORTHERN HARDWOOD FORESTS OF MICHIGAN

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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
52	\$117,680	MICHIGAN DEPT OF NATURAL RESOURCES	Roloff, Gary	FISHERIES AND WILDLIFE	QUANTIFYING FACTORS AFFECTING CHRONIC WASTING DISEASE TRANSMISSION AMONG DEER
53	\$385,000	MICHIGAN DEPT OF NATURAL RESOURCES	Roth, Brian	FISHERIES AND WILDLIFE	MICHIGAN RED SWAMP CRAYFISH ADAPTIVE RESPONSES FOR ERADICATION AND POPULATION SUPPRESSION
54	\$125,296	GREAT LAKES FISHERY COMMISSION	Roth, Brian	FISHERIES AND WILDLIFE	QUANTIFYING RELATIONSHIPS BETWEEN PREYFISH ABUNDANCE AND PISCIVORE FORAGING AND GROWTH
55	\$279,903	GREAT LAKES FISHERY COMMISSION	Vandergoot, Christopher	FISHERIES AND WILDLIFE	ASSESSMENT OF ANALYTICAL METHODS COMMONLY USED WITH ANALYZING ACOUSTIC TELEMETRY DATA
56	\$88,200	MICHIGAN SEA GRANT COLLEGE PROGRAM	Vandergoot, Christopher	FISHERIES AND WILDLIFE	SOURCES OF WALLEYE RECRUITMENT AND NATURAL REPRODUCTION IN SAGINAW BAY
57	\$70,398	MICHIGAN DEPT OF NATURAL RESOURCES	Winterstein, Scott	FISHERIES AND WILDLIFE	GREAT LAKES MALLARD MOVEMENTS, HABITAT SELECTION, SURVIVAL, AND PRODUCTIVITY
58	\$680,236	NATIONAL INST OF HEALTH	Comstock, Sarah	FOOD SCIENCE AND HUM NUTRITION ANR	A PRE-, PERI-, AND POST-NATAL APPROACH TO UNDERSTANDING THE RISK AND MECHANISMS FOR OBESITY
59	\$39,628	UNIVERSITY OF CALIFORNIA LOS ANGELES	Fenton, Jenifer	FOOD SCIENCE AND HUM NUTRITION ANR	TOWARDS SCALABLE PRODUCTION OF PALATABLE AND NUTRITIOUS CULTURED MEAT USING EDIBLE, TUNABLE SCAFFOLDS
60	\$413,527	NATIONAL INST OF HEALTH	Strakovsky, Rita	FOOD SCIENCE AND HUM NUTRITION ANR	EXPOSURE TO PHTHALATE MIXTURES IN PREGNANCY AND LONG-TERM CONSEQUENCES FOR MATERNAL METABOLIC AND HORMONAL STATUS
61	\$63,886	UNIVERSITY OF HOUSTON	Wu, Felicia	FOOD SCIENCE AND HUM NUTRITION ANR	MISC-CBO: A CLUSTER RANDOMIZED CONTROL TRIAL TO IMPROVE THE MENTAL HEALTH OF OVC IN SOUTH AFRICA
62	\$25,000	UNIVERSITY OF MAINE	Finley, Andrew	FORESTRY	FOREST CARBON ESTIMATION (FORCE): MAPPING GEDI-DERIVED FOREST STRUCTURE METRICS WITH PLOT-BASED INVENTORY & MULTIMODAL REMOTE SENSING DATA IN A HIERARCHICAL SPATIAL MODELING FRAMEWORK
63	\$626,285	NATIONAL INST OF FOOD & AGRICULTURE	Huff, Emily	FORESTRY	BRANCHING OUT: HELPING SMALL AND MEDIUM SIZE FARMERS TAP INTO EMERGING MARKETS, DIVERSIFY LAND MANAGEMENT, AND GROW NEW NETWORKS
64	\$650,000	NATIONAL INST OF FOOD & AGRICULTURE	Koyama, Akihiro	FORESTRY	DESIGNING CROP ROTATION SEQUENCES FOR IMPROVED YIELD AND SOIL HEALTH BY MANAGING PLANT-SOIL FEEDBACKS
65	\$252,638	USDA FOREST SERVICE	Lupien, Sandra	FORESTRY	CATALYZING MICHIGAN MASS TIMBER MANUFACTURE BY PILOTING MICHIGAN-SOURCED-AND-MADE NAIL-LAMINATED TIMBER
66	\$30,000	OREGON STATE UNIV	Nejad, Mojgan	FORESTRY	A FUNDAMENTAL STUDY OF LIGNIN REACTION WITH FORMALDEHYDE
67	\$56,257	CMS ENTERPRISES	Pokharel, Raju	FORESTRY	ASSESSMENT OF BIOMASS AVAILABILITY FOR A POWERPLANT IN FILER CITY, MI.

Gift, Grant and Contract Report
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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
68	\$59,112	NORTHWESTERN UNIV	Randall, Jesse	FORESTRY	INCREASING PRODUCTION CAPACITY, METABOLOMIC UNDERSTANDING, AND KNOWLEDGE OF CANCER SURVIVOR CONSUMER ATTITUDES OF MAPLE-BASED PRODUCTS FOR HEALTH PROMOTION
69	\$13,900	MICHIGAN ASPARAGUS RESEARCH INC	Hayden, Zachary	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF VEGETABLE RESEARCH
70	\$15,500	AMER FLORAL ENDOWMENT	Lopez, Roberto	HORTICULTURE ANR	DEVELOPING FOLIAGE STOCK PLANT AND PROPAGATION PROTOCOLS FOR TEMPERATE CLIMATES
71	\$25,000	MICHIGAN NURSERY & LANDSCAPE ASSOC	Saha, Debalina	HORTICULTURE ANR	TOP TEN MI NURSERY WEEDS: OPTIMUM CONTROLS IN MI NEW CROPS
72	\$20,000	VALENT BIOSCIENCES CORP	Vanderweide, Josh	HORTICULTURE ANR	UNRESTRICTED GIFT IN SMALL BERRY CROP RESEARCH
73	\$8,316	BAYER CROPSCIENCE	Burns, Erin	PLANT SOIL AND MICROBIAL SCIENCES	TESTING OF BAYER PRODUCTS
74	\$70,035	INTL MAIZE & WHEAT IMPROVEMENT CENTER	Chikowo, Regis	PLANT SOIL AND MICROBIAL SCIENCES	OPERATIONALIZATION OF THE SUSTAINABLE INTENSIFICATION OF MIXED FARMING SYSTEM IN CENTRAL MALAWI
75	\$20,000	MICHIGAN SOYBEAN COMMITTEE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	FUNGICIDE APPLICATION TECHNIQUES FOR PRECISION SOYBEAN MANAGEMENT
76	\$50,000	MICHIGAN SOYBEAN COMMITTEE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	IMPROVING SPORECASTER, OPTIMIZING FUNGICIDES AND SCREENING FOR PLANT RESISTANCE
77	\$109,974	AGRICULTURAL RESEARCH SERVICE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	MANAGING FHB THROUGH LAB AND FIELD STUDIES
78	\$25,000	MICHIGAN SOYBEAN COMMITTEE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	RISK PREDICTION, SCREENING VARIETIES AND SEED TREATMENTS FOR SDS AND SCN MANAGEMENT
79	\$20,000	NORTH DAKOTA STATE UNIV	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	SEEDLING PATHOGENS IN SOYBEAN: DISEASE MANAGEMENT AND FARMER EDUCATION
80	\$75,000	BAYER CROPSCIENCE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	TESTING OF BAYER PRODUCTS

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81	\$47,872	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
82	\$25,000	MICHIGAN SOYBEAN COMMITTEE	Lebeis, Sarah	PLANT SOIL AND MICROBIAL SCIENCES	INFLUENCE OF BIOSTIMULANT APPLICATION ON SOYBEAN MICROBIOME AND RESILIENCE OF PRODUCTS DURING DROUGHT
83	\$15,625	VARIOUS INDUSTRIES	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	LONG POTATO TESTING
84	\$98,700	VARIOUS INDUSTRIES	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	MILES PSM TESTING
85	\$32,000	CALIFORNIA DEPT OF FOOD & AGRICULTURE	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	MARTIN/MILES – DEVELOPMENT OF A MOLECULAR DIAGNOSTIC ASSAY FOR PYTHIUM UNCINULATUM.”
86	\$46,000	VARIOUS INDUSTRIES	Nikolai, Thomas	PLANT SOIL AND MICROBIAL SCIENCES	NIKOLAI PSM TESTING
87	\$107,096	UNIVERSITY OF CALIFORNIA DAVIS	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	NIFA CAP: LEVERAGING HIGH-THROUGHPUT GENOTYPING AND PHENOTYPING TECHNOLOGIES TO ACCELERATE WHEAT IMPROVEMENT AND MITIGATE THE IMPACTS OF CLIMATE CHANGE TECHNOLOGIES TO ACCELERATE WHEAT IMPROVEMENT
88	\$116,621	AGRICULTURAL RESEARCH SERVICE	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	FUSARIUM HEAD BLIGHT RESISTANCE BREEDING AT MSU
89	\$45,000	MICHIGAN AGRICULTURAL COMMODITIES INC	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	RESEARCH GIFT FROM CHELSEA MILLING CO.
90	\$29,000	MICHIGAN SOYBEAN COMMITTEE	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	STRATEGIES TO IMPROVE SOYBEAN YIELD AND QUALITY BY OPTIMIZING HARVEST DECISIONS
91	\$22,360	VARIOUS INDUSTRIES	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	SINGH PSM TESTING
92	\$19,920	MICHIGAN SOYBEAN COMMITTEE	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATION OF COMMERCIALY AVAILABLE BIOLOGICAL SEED TREATMENTS IN MICHIGAN SOYBEAN PRODUCTION

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93	\$10,000	CORN MARKETING PROGRAM OF MICHIGAN	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	OPTIMIZING CORN VARIETY SELECTION AND AGRONOMIC MANAGEMENT FOR SPECIALITY USES
94	\$34,346	MICHIGAN SOYBEAN COMMITTEE	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	STRATEGIES TO IMPROVE SOYBEAN YIELD AND PROFITS UNDER EARLY PLANTING
95	\$23,000	MICHIGAN SOYBEAN COMMITTEE	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	CONTINUED SUPPORT FOR WATERHEMP MANAGEMENT STRATEGIES IN SOYBEAN
96	\$8,500	MICHIGAN SOYBEAN COMMITTEE	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	WEED CONTROL IN NON-GMO SOYBEAN
97	\$86,300	VARIOUS INDUSTRIES	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	SPRAGUE PSM TESTING
98	\$29,000	MICHIGAN SOYBEAN COMMITTEE	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	INVESTIGATING WEED MANAGEMENT STRATEGIES FOR EARLY PLANTED SOYBEAN YEAR 2
99	\$47,000	MICHIGAN SOYBEAN COMMITTEE	Steinke, Kurt	PLANT SOIL AND MICROBIAL SCIENCES	PLANTER-APPLIED NUTRIENT MANAGEMENT STRATEGIES TO ENHANCE SOYBEAN PRODUCTION
100	\$100,850	VARIOUS INDUSTRIES	Steinke, Kurt	PLANT SOIL AND MICROBIAL SCIENCES	STEINKE PSM TESTING
101	\$77,400	VARIOUS INDUSTRIES	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	SUNDIN PSM TESTING
102	\$19,495	MICHIGAN SOYBEAN COMMITTEE	Tiemann, Lisa	PLANT SOIL AND MICROBIAL SCIENCES	HARNESSING RHIZOSPHERE MICROBIOMES TO IMPROVE NITROGEN USE EFFICIENCY IN SOYBEAN PRODUCTION SYSTEMS
103	\$138,180	VARIOUS INDUSTRIES	Vargas, Joseph	PLANT SOIL AND MICROBIAL SCIENCES	VARGAS PSM TESTING
104	\$60,000	UNIVERSITY OF MINNESOTA	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	SOYGEN3: BUILDING CAPACITY TO INCREASE SOYBEAN GENETIC GAIN FOR YIELD AND COMPOSITION THROUGH COMBINING GENOMICS-ASSISTED BREEDING WITH CHARACTERIZATION OF FUTURE ENVIRONMENTS

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105	\$118,853	MICHIGAN SOYBEAN COMMITTEE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	SOYBEAN BREEDING AND GENETIC IMPROVEMENT FOR MICHIGAN ENVIRONMENTS
106	\$56,112	MICHIGAN SOYBEAN COMMITTEE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	ENHANCE RESEARCH IN SOYBEAN FIELD EVALUATIONS IN MICHIGAN
107	\$90,000	PURDUE UNIV	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	SOYRENSEQ: A NOVEL APPROACH FOR DISEASE RESISTANCE GENE DISCOVERY AND APPLICATION FOR SOYBEAN IMPROVEMENT
108	\$7,770	VARIOUS INDUSTRIES	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	WANG TESTING PROJECTS
109	\$16,550	VARIOUS INDUSTRIES	Willbur, Jaime	PLANT SOIL AND MICROBIAL SCIENCES	WILLBUR PSM TESTING
110	\$610,996	NATIONAL INST OF FOOD & AGRICULTURE	Zhang, Wei	PLANT SOIL AND MICROBIAL SCIENCES	HOW FOOD CROPS BECOME CONTAMINATED WITH HEAVY METALS: MULTIVARIABLE ANALYSIS IN CLIMATE AND FIELD CONDITIONS
111	\$47,187	NATIONAL INST OF FOOD & AGRICULTURE	Madill, Holly	SCHOOL OF PLANNING DES CONSTRUCTION ANR	URBAN AGRICULTURE INTEGRATED PROPOSAL DEVELOPMENT CONFERENCE
112	\$5,501	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
COLLEGE OF ARTS AND LETTERS					
113	\$224,216	INTL RESEARCH & EXCHANGES BOARD	Hassan, Salah	AL GLOBAL STUDIES PROGRAM	MANDELA WASHINGTON FELLOWSHIP FOR YOUNG AFRICAN LEADERS
114	\$233,057	INST OF INTL EDUCATION	De Felice, Dustin	ENGLISH LANGUAGE CENTER	FULBRIGHT PRE-ACADEMIC PROGRAM
115	\$23,941	US DEPT OF STATE	Winke, Paula	LINGUISTICS, LANGUAGES, AND CULTURES	INNOVATIONS IN FOREIGN LANGUAGE TEST DESIGN
116	\$10,196	UNIVERSITY OF COLORADO DENVER	Driver, Meagan	ROMANCE AND CLASSICAL STUDIES	AN IN-GROUP PERSPECTIVE ON HERITAGE LANGUAGE EDUCATION: EXPLORING HERITAGE SPEAKERS' LANGUAGE TEACHING EXPERIENCES THROUGH PARTICIPATORY ACTION RESEARCH

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ELI BROAD COLLEGE OF BUSINESS					
117	\$41,000	MICHIGAN PUBLIC HEALTH INST	Narayanan, Sriram	DEPARTMENT OF SUPPLY CHAIN MANAGEMENT	EXPLORING THE SCHOOL FOOD SYSTEM LANDSCAPE IN MICHIGAN TO IMPROVE MEAL QUALITY
118	\$304,230	US DEPT OF EDUCATION	Kirca, Ahmet	INTERNATIONAL BUSINESS CENTER	CENTER FOR INTERNATIONAL BUSINESS EDUCATION RESEARCH: GLOBAL MINDSET DEVELOPMENT, ENGAGEMENT AND DISCOVERY FOR INTERNATIONAL COMPETITIVENESS
119	\$535,825	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)
120	\$20,000	GREATER LANSING CONVENTION & VISITORS BUREAU	Zhang, Lu	THE SCHOOL OF HOSPITALITY BUSINESS	GREATER LANSING CONVENTION & VISITOR'S BUREAU HOSPITALITY HANDICAP ACCESSIBILITY RESEARCH
COLLEGE OF COMMUNICATION ARTS SCIENCES					
121	\$1,000,000	US DEPT OF EDUCATION	Turner, Shawn	BROADCASTING SERVICES	STRENGTHENING EQUITABLE K-12 ACCESS TO EDUCATION TO THE LANSING AREA VIA FREE OVER THE AIR SERVICES
122	\$501,215	NATIONAL SCIENCE FOUNDATION	Dorrance Hall, Elizabeth	COMMUNICATION	CAREER: FAMILY SUPPORT, PRESSURE, DISENGAGEMENT, AND MARGINALIZATION: FACILITATING OR HINDERING STEM INTEREST AND CAREER PARTICIPATION AMONG DIVERSE WOMEN
123	\$42,000	JOHNS HOPKINS UNIV	Lapinski-LaFaive, Maria	COMMUNICATION	NORMS IMPACTING ACCESS TO AND USE OF GENDER RESOURCE CENTERS
124	\$632,131	NATIONAL INST OF HEALTH	Hunter, Eric	COMMUNICATIVE SCIENCES DISORDERS CAS	PROTECTING TEACHERS' VOICES: INVESTIGATING RISK FACTORS, CONDUCTING COST ANALYSIS
125	\$187,718	NATIONAL INST OF HEALTH	Naghiboldhosseini, Maryam	COMMUNICATIVE SCIENCES DISORDERS CAS	BAYESIAN DATA-DRIVEN SUBJECT-SPECIFIC MODELING OF VOICE PRODUCTION
126	\$137,795	NATIONAL INST OF HEALTH	Naghiboldhosseini, Maryam	COMMUNICATIVE SCIENCES DISORDERS CAS	STUDYING THE LARYNGEAL MECHANISMS UNDERLYING DYSPHONIA IN CONNECTED SPEECH
127	\$714,477	NATIONAL INST OF HEALTH	Venker, Courtney	COMMUNICATIVE SCIENCES DISORDERS CAS	HOW SINGLE-WORD AND TELEGRAPHIC SIMPLIFICATION AFFECTS LANGUAGE PROCESSING AND WORD LEARNING IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER
128	\$65,087	UNIVERSITY OF MARYLAND	Chinni, Dante	JOURNALISM	ENVIRONMENTAL INJUSTICE AND DEATHS OF DESPAIR: LESSONS FROM MONTANA'S TRIBAL LANDS
129	\$13,900	MICHIGAN HUMANITIES COUNCIL	Grimm, Joseph	JOURNALISM	HMONG BIAS BUSTERS

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130	\$135,787	SPENCER FOUNDATION	Jonas, Anne	MEDIA AND INFORMATION	REDESIGNING VIRTUAL SCHOOLS AS NETWORKS OF CARE AND SOLIDARITY
131	\$19,956	NATIONAL SCIENCE FOUNDATION	Wyche, Susan	MEDIA AND INFORMATION	WORKSHOP: 2023 CONFERENCE ON COMPUTER SUPPORTED COOPERATIVE WORK & SOCIAL COMPUTING
COLLEGE OF EDUCATION					
132	\$125,000	VARIOUS SCHOOLS	Paine, Lynn	CED INTERNATIONAL STUDIES IN EDUCATION	WORLD LANGUAGE TEACHER CERTIFICATION RESIDENCY PROGRAM
133	\$220,000	MICHIGAN CORRECTIONS	Beverly, Bryan	CED OUTREACH	PROFESSIONAL DEVELOPMENT SUPPORT FOR THE MICHIGAN DEPARTMENT OF CORRECTIONS EDUCATORS - YEAR 3
134	\$62,198	WESTERN MICHIGAN UNIV	Beverly, Bryan	CED OUTREACH	WESTERN MICHIGAN UNIVERSITY HIL PROJECT - GRAND RAPIDS SOUTHEAST PROMISE NEIGHBORHOOD
135	\$154,517	INST OF EDUCATION SCIENCES	Fisher, Marisa	COUNSELING, EDUC PSYCH SPEC EDUC	EFFECT OF A 9-MONTH SOFT SKILLS AND WORK-BASED EMPLOYMENT TRAINING PROGRAM IN IMPROVING TRANSITION STUDENTS' SUCCESS: A RANDOMIZED CONTROLLED TRIAL STUDY
136	\$408,380	NATIONAL INST OF HEALTH	Linnenbrink-Garcia, Lisa	COUNSELING, EDUC PSYCH SPEC EDUC	CONTEXTUAL FACTORS AND PSYCHOLOGICAL MECHANISMS THAT SUPPORT OR DISRUPT BIOMEDICAL CAREER PATHWAYS
137	\$5,234	US DEPT OF VETERANS AFFAIRS	Umucu, Emre	COUNSELING, EDUC PSYCH SPEC EDUC	ESTABLISHING CROSS-SYSTEM CARE COORDINATION AND MEASUREMENT-BASED CARE FOR RURAL VETERANS THROUGH COMMUNITY PARTNERS IPA WITH EMRE UMUCU
138	\$186,184	SPENCER FOUNDATION	Chudgar, Amita	EDUCATIONAL ADMINISTRATION	UNDERSTANDING MARGINALIZED YOUTH'S SECONDARY EDUCATION EXPERIENCES: A MIXED-METHODS STUDY OF COLOMBIA, INDIA, AND MALAWI
139	\$127,194	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
140	\$280,000	FERRERO USA INC	Vazou, Spyridoula	KINESIOLOGY ED	KINDER JOY OF MOVING AND LEARNING PROJECT USA
141	\$227,694	NATIONAL SCIENCE FOUNDATION	Burgess, Terrance	TEACHER EDUCATION	CAREER: ME IN STEM: ELEMENTARY SCIENCE FOR COMMUNITY CHANGE
142	\$164,699	VANDERBILT UNIV	Parks, Amy	TEACHER EDUCATION	SUPPORTING PLAYFUL LEARNING IN ELEMENTARY MATHEMATICS CLASSROOMS
COLLEGE OF ENGINEERING					
143	\$164,000	FLORIDA STATE UNIV	Bieler, Thomas	CHEMICAL ENGINEERING AND MATERIALS SCI	THE EFFECT OF PROCESS HISTORY ON GRAIN BOUNDARIES AND DISLOCATION SUBSTRUCTURES ON FUNCTIONAL PROPERTIES OF NB FOR SRF CAVITIES: PLASTIC FORMABILITY AND MICROSTRUCTURAL EVOLUTION

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144	\$526,442	VARIOUS INDUSTRIES	Boeman, Raymond	CHEMICAL ENGINEERING AND MATERIALS SCI	FEE FOR SERVICE - IACMI - RAYMOND BOEMAN
145	\$132,499	NATIONAL SCIENCE FOUNDATION	Cheng, Shiwang	CHEMICAL ENGINEERING AND MATERIALS SCI	SPATIAL GRADIENTS IN DYNAMICS OF NEAR-INTERFACE POLYMERS: EXPERIMENTS AND THEORY
146	\$60,175	ARCHER DANIELS MIDLAND CO	Lira, Carl	CHEMICAL ENGINEERING AND MATERIALS SCI	PROPERTY MEASUREMENT 1
147	\$110,000	VARIOUS INDUSTRIES	Narayan, Ramani	CHEMICAL ENGINEERING AND MATERIALS SCI	FEE FOR SERVICE RAMANI NARAYAN
148	\$497,142	NATIONAL SCIENCE FOUNDATION	Nicholas, Jason	CHEMICAL ENGINEERING AND MATERIALS SCI	CURRENT-COLLECTOR-OPTIONAL MEASUREMENTS TO QUANTIFY PRECIOUS METAL AND POLARIZATION IMPACTS ON OXYGEN SURFACE EXCHANGE COEFFICIENTS
149	\$38,374	GENTEX CORPORATION	Szczepanski, Caroline	CHEMICAL ENGINEERING AND MATERIALS SCI	ERIK VYHMEISTER-CANCEL – PHD PROJECT
150	\$275,022	US DEPT OF ENERGY	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	INDUSTRIAL ASSESSMENT CENTER AT MICHIGAN STATE UNIVERSITY
151	\$2,171,252	UNIVERSITY OF MICHIGAN	Haq, Mahmoodul	CIVIL AND ENVIRONMENTAL ENGINEERING	ADVANCED MANUFACTURING OF COMPOSITES USING ROBOTIC FIBER PLACEMENT, NOVEL MULTI-MATERIAL JOINING, AND INTEGRATED SENSORS
152	\$11,340	VARIOUS INDUSTRIES	Kodur, Venkatesh	CIVIL AND ENVIRONMENTAL ENGINEERING	FEE FOR SERVICE - VENKATESH KODUR
153	\$63,577	VARIOUS INDUSTRIES	Lajnef, Nizar	CIVIL AND ENVIRONMENTAL ENGINEERING	FEE FOR SERVICE - NIZAR LAJNEF
154	\$100,000	STATE OF IOWA DEPT OF TRANSPORTATION	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	MERGING IMPLEMENTATION CRITERIA
155	\$38,905	VARIOUS INDUSTRIES	Drzal, Lawrence	COMPOSITE MATERIALS AND STRUCTURES CTR	EGR CMSC FEE FOR SERVICE

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156	\$32,000	NATIONAL SCIENCE FOUNDATION	Ravishankar, Saiprasad	COMPUTATIONAL MATH SCI AND ENGR EGR	CIF: MEDIUM: TAMING DEEP UNSUPERVISED REPRESENTATION LEARNING IN IMAGING: THEORY AND ALGORITHMS
157	\$110,000	LOS ALAMOS NATL LABORATORY	Ravishankar, Saiprasad	COMPUTATIONAL MATH SCI AND ENGR EGR	METHODS FOR INVERSE PROBLEMS: MODELS, ALGORITHMS, MACHINE LEARNING, AND THEORY
158	\$119,019	AMAZON	Boddeti, Vishnu	COMPUTER SCIENCE AND ENGINEERING	FAI: FAIR REPRESENTATION LEARNING: FUNDAMENTAL TRADE-OFFS AND ALGORITHMS
159	\$300,000	NATIONAL SCIENCE FOUNDATION	Bonakdarpour, Borzoo	COMPUTER SCIENCE AND ENGINEERING	COLLABORATIVE RESEARCH: SATC: CORE: SMALL: HYPERPROPERTY-BASED ENFORCEMENT OF INFORMATION-FLOW SECURITY
160	\$30,000	NORTHEASTERN UNIV	Dillon, Laura	COMPUTER SCIENCE AND ENGINEERING	CENTER FOR INCLUSIVE COMPUTING GRANT
161	\$60,000	LAWRENCE LIVERMORE NATIONAL LABORATORY	Liu, Sijia	COMPUTER SCIENCE AND ENGINEERING	FORWARDPROP: A NOVEL GRADIENT-FREE LEARNING PARADIGM FOR INTEGRATING DEEP NEURAL NETS WITH SCIENTIFIC
162	\$20,833	BOOZ ALLEN HAMILTON INC	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	ADVERSARIAL MACHINE LEARNING FOR PERCEPTION
163	\$325,118	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	PHYSICS-DRIVEN MODELING AND LEARNING FOR PERSON RECOGNITION AT A DISTANCE AND ALTITUDE
164	\$1,800,000	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	PHYSICS-DRIVEN MODELING AND LEARNING FOR PERSON RECOGNITION AT A DISTANCE AND ALTITUDE
165	\$107,768	NATIONAL SCIENCE FOUNDATION	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	CAREER: SIGNED NETWORKS: MODELING, MEASURING, AND MINING
166	\$25,000	AMAZON	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	DEEP REINFORCEMENT LEARNING FOR THE MIXED RANKING OF RECOMMENDATIONS AND ADVERTISEMENTS WITH PAGE-WISE DISPLAY
167	\$870,000	NATIONAL SCIENCE FOUNDATION	Tu, Guan-Hua	COMPUTER SCIENCE AND ENGINEERING	COLLABORATIVE RESEARCH: SATC: CORE: MEDIUM: SAFEGUARDING NEXT-GENERATION EMERGENCY SERVICES (NG-9-1-1) OVER CELLULAR NETWORKS: FROM DESIGN TO PRACTICE

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168	\$105,238	NATIONAL SCIENCE FOUNDATION	Zeng, Huacheng	COMPUTER SCIENCE AND ENGINEERING	CAREER: MIMO-BASED BLIND INTERFERENCE CANCELLATION FOR WIRELESS NETWORKING
169	\$330,271	NATIONAL INST OF HEALTH	Zhou, Jiayu	COMPUTER SCIENCE AND ENGINEERING	IDENTIFICATION OF MILD COGNITIVE IMPAIRMENT USING MACHINE LEARNING FROM LANGUAGE AND BEHAVIOR MARKERS
170	\$176,054	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Aviyente, Selin	ELECTRICAL AND COMPUTER ENGINEERING	INTERPRETABLE COMMUNITY DETECTION FOR MULTILAYER NETWORKS
171	\$29,998	UNIVERSITY OF MICHIGAN	Ayres, Virginia	ELECTRICAL AND COMPUTER ENGINEERING	MICHIGAN SPACE GRANT CONSORTIUM / MICHIGAN STATE
172	\$26,147	UNIVERSITY OF PENNSYLVANIA	Bopardikar, Shaunak	ELECTRICAL AND COMPUTER ENGINEERING	ARCHES: AUTONOMOUS RESILIENT COGNITIVE HETEROGENEOUS SWARMS GRANT #W911NF-17-2-0181
173	\$145,769	US ENVIRONMENTAL PROTECTION AGENCY	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	DEVELOPMENT OF A MULTI-OBJECTIVE OPTIMIZATION TOOL FOR CHESAPEAKE BAY WATERSHED
174	\$195,902	FORD MOTOR CO	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	001743-MSU
175	\$43,000	BORG WARNER CORP	Lee, Woongkul	ELECTRICAL AND COMPUTER ENGINEERING	TECHNOLOGY & DESIGN INNOVATIONS TO MAXIMIZE THE REDUCTION EFFECT ON DCFC UNIT COST ECONOMICS (MAX-REDUCE)
176	\$32,568	NATIONAL INST OF HEALTH	Mason, Andrew	ELECTRICAL AND COMPUTER ENGINEERING	WEARABLE MICROSYSTEM FOR CONTINUOUS PERSONALIZED AEROSOL EXPOSURE ASSESSMENT
177	\$68,620	SANDIA NATIONAL LABORATORIES	Mitra, Joydeep	ELECTRICAL AND COMPUTER ENGINEERING	PROBABILISTIC FRAMEWORKS FOR RESOURCE PLANNING AND MICROGRID DESIGN APPLICATIONS
178	\$60,000	GOOGLE INC	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	SPECTRALLY-SPARSE DISTRIBUTED LOCALIZATION FOR MOBILE MILLIMETER-WAVE NETWORKS
179	\$60,000	NORTHROP GRUMMAN CORP	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	ELECTRONICS FOR G-BAND ARRAYS - NG COLLABORATION

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180	\$621,057	UNIVERSITY OF MICHIGAN	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	MULTI-BAND COMMUNICATION ANTENNA SYSTEMS FOR GROUND VEHICLES ENABLED BY ADVANCED RF PACKAGING INTEGRATION
181	\$58,654	UNIVERSITY OF CALIFORNIA SAN DIEGO	Srivastava, Vaibhav	ELECTRICAL AND COMPUTER ENGINEERING	HUMAN AUTONOMY TEAMING IN UNCERTAIN AND DYNAMIC ENVIRONMENTS
182	\$39,954	GREAT LAKES FISHERY COMMISSION	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	SMART PANEL FOR DETECTION AND DETERRENCE OF SEA LAMPREYS
183	\$35,001	GREAT LAKES FISHERY COMMISSION	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	OPEN-SOURCE UNMANNED SURFACE VEHICLE (USV) FOR MOBILE ACOUSTIC TELEMETRY
184	\$396,873	NATIONAL SCIENCE FOUNDATION	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	COLLABORATIVE RESEARCH: UNSUPERVISED ACTIVE LEARNING FOR AQUATIC ROBOT PERCEPTION AND CONTROL
185	\$21,038	GREAT LAKES FISHERY COMMISSION	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	AUTOMATED WATER SAMPLER
186	\$100,000	OFFICE OF NAVAL RESEARCH	Zhang, Peng	ELECTRICAL AND COMPUTER ENGINEERING	MULTI-FREQUENCY HIGH POWER MICROWAVE GENERATION AND AMPLIFICATION VIA OPTICALLY GATED ELECTRON BEAMS
187	\$401,005	NATIONAL SCIENCE FOUNDATION	Qiu, Zhen	INSTITUTE FOR QUANTITATIVE HEALTH	CAREER: MOEMS-BASED HEAD-MOUNTED NIR-II MICROSCOPY FOR MOLECULAR IMAGING OF BRAIN TUMOR IN FREELY BEHAVING SMALL ANIMAL MODELS
188	\$567,121	NATIONAL SCIENCE FOUNDATION	Chung, Haseung	MECHANICAL ENGINEERING	CAREER: INNOVATIVE SCALABLE AND ECONOMICAL METAL ADDITIVE MANUFACTURING (ISEMAM)
189	\$110,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Koochesfahani, Manoochehr	MECHANICAL ENGINEERING	PHASE 2: ZBOT-2 THERMOMETRY DIAGNOSTICS DEVELOPMENT
190	\$533,780	NATIONAL SCIENCE FOUNDATION	Li, Zhaojian	MECHANICAL ENGINEERING	CAREER: CLOUD-FACILITATED PRIVACY-AWARE COLLABORATIVE SENSING AND CONTROL FOR INTELLIGENT AND CONNECTED VEHICLES
191	\$100,069	MASSACHUSETTS INST OF TECH LINCOLN LABS	Mejia, Ricardo	MECHANICAL ENGINEERING	TORSO HEMORRHAGE MANAGEMENT
192	\$131,432	OFFICE OF NAVAL RESEARCH	Tai, Wei-Che	MECHANICAL ENGINEERING	CONCURRENT VIBRATION CONTROL AND ENERGY HARVESTING OF ELECTRICALLY INTERCONNECTED SUSPENSION WITH NONLINEAR ENERGY HARVESTING SHOCK ABSORBERS
COLLEGE OF HUMAN MEDICINE					

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193	\$500,000	MERCY HEALTH SAINT MARYS	Dwyer, Jeffrey	CHM WEST MICHIGAN	MSU-ST. MARY'S TRANSLATIONAL MEDICINE IN GRAND RAPIDS
194	\$2,809,483	ALLIANCE CORP	Holmes, Denise	CHM WEST MICHIGAN	MSU-ALLIANCE TRANSLATIONAL HEALTH RESEARCH IN GRAND RAPIDS
195	\$217,500	AMER CANCER SOCIETY INC	Aspiras, Olivia	CS MOTT DEPARTMENT OF PUBLIC HEALTH	CULTURALLY TARGETED MESSAGING AND PARENTAL RECEPTIVITY TO THE HUMAN PAPILOMAVIRUS VACCINE
196	\$342,435	NEW YORK UNIV SCHOOL OF MEDICINE	Finegood, Eric	CS MOTT DEPARTMENT OF PUBLIC HEALTH	UNIVERSAL STRENGTHS-BASED PARENTING SUPPORT IN PEDIATRIC HEALTH CARE FOR FAMILIES WITH VERY YOUNG CHILDREN FOLLOWING THE FLINT WATER CRISIS
197	\$25,000	COMMUNITY FOUNDATION OF GREATER FLINT	Hanna-Attisha, Mona	CS MOTT DEPARTMENT OF PUBLIC HEALTH	PPHI CHILD DEVELOPMENT, COMMUNITY ENGAGEMENT, & CAPACITY BUILDING (CCC)
198	\$5,000,000	CHARLES STEWART MOTT FOUNDATION	Hanna-Attisha, Mona	CS MOTT DEPARTMENT OF PUBLIC HEALTH	RX KIDS: A PRENATAL AND INFANT ALLOWANCE IN FLINT, MI
199	\$776,228	NATIONAL INST OF HEALTH	Johnson, Jennifer	CS MOTT DEPARTMENT OF PUBLIC HEALTH	MEETING WOMEN WHERE THEY ARE: MULTILEVEL INTERVENTION ADDRESSING RACIAL DISPARITIES IN MATERNAL MORBIDITY AND MORTALITY
200	\$40,000	UNIVERSITY OF MICHIGAN	Ondersma, Steven	CS MOTT DEPARTMENT OF PUBLIC HEALTH	COMPREHENSIVE MC3 FOR MOMS
201	\$8,000	UNIVERSITY OF MICHIGAN	Sadler, Richard	CS MOTT DEPARTMENT OF PUBLIC HEALTH	PREVENTION RESEARCH CENTER OF MICHIGAN
202	\$50,000	CITY OF FLINT	Sadler, Richard	CS MOTT DEPARTMENT OF PUBLIC HEALTH	CITY OF FLINT - CVIPI
203	\$51,068	SPECTRUM HEALTH - MSU ALLIANCE CORP	Sadler, Richard	CS MOTT DEPARTMENT OF PUBLIC HEALTH	SPECTRUM HEALTH PRIMARY CARE: MAPPING OUR HEALTH EQUITY AND OUTCOMES
204	\$71,475	UNIVERSITY OF MICHIGAN	Bohnert, Kipling	EPIDEMIOLOGY AND BIOSTATISTICS	ASSOCIATION BETWEEN STATE-LEVEL PRESCRIPTION OPIOID LIMITATION LAWS & SUICIDE OUTCOMES
205	\$22,054	US DEPT OF VETERANS AFFAIRS	Bohnert, Kipling	EPIDEMIOLOGY AND BIOSTATISTICS	A MULTI-METHOD EXAMINATION OF VETERAN CRISIS LINE EMERGENCY DISPATCHES

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206	\$9,911	SEATTLE CHILDRENS HOSPITAL	Brincks, Ahnalee	EPIDEMIOLOGY AND BIOSTATISTICS	USING SMART DESIGN TO IDENTIFY AN EFFECTIVE AND COST-BENEFICIAL APPROACH TO PREVENTING OUD IN JUSTICE-INVOLVED YOUTH. PHASE II APPLICATION. TRANSITION FROM PHASE I (UG3) TO PHASE II (UH3).
207	\$21,568	UNIVERSITY OF CENTRAL FLORIDA	Misra, Dawn	EPIDEMIOLOGY AND BIOSTATISTICS	SOCIAL STRESSORS AND INFLAMMATION: A MIXED METHODS APPROACH TO PRETERM BIRTH
208	\$25,000	UNIVERSITY OF CENTRAL FLORIDA	Misra, Dawn	EPIDEMIOLOGY AND BIOSTATISTICS	SOCIAL STRESSORS AND INFLAMMATION: A MIXED METHODS APPROACH TO PRETERM BIRTH - ADMINISTRATIVE SUPPLEMENT
209	\$200,904	BRIGHAM & WOMENS HOSPITAL	Paneth, Nigel	EPIDEMIOLOGY AND BIOSTATISTICS	MOLECULAR ANTECEDENTS OF MISCARRIAGE
210	\$6,572	MICHIGAN COUNCIL FOR MATERNAL & CHILD HEALTH	Shipp, Gayle	EPIDEMIOLOGY AND BIOSTATISTICS	COLLABORATIVE SUPPORT AND TRAINING OF BIRTH EQUITY AND MATERNAL HEALTH POLICY SPECIALIST
211	\$27,024	UNIVERSITY OF ALABAMA AT BIRMINGHAM	Vazquez, Ana	EPIDEMIOLOGY AND BIOSTATISTICS	FUNCTIONAL AND INTEGRATIVE OMICS OF RECURRENT GOUT FLARES
212	\$128,097	ARAB COMMUNITY CENTER FOR ECONOMIC & SOCIAL SERVICES	Arnetz, Bengt	FAMILY MEDICINE, DEPARTMENT OF	IMPACT OF EARNED INCOME TAX CREDIT RECEIPT ON REDUCING RISK FACTORS FOR AND ENHANCING PROTECTIVE FACTORS AGAINST ADVERSE CHILDHOOD EXPERIENCES
213	\$5,913	UNIVERSITY OF MICHIGAN	Ilardo, Joan	HUMAN MEDICINE DEAN	MICHIGAN CENTER FOR URBAN AFRICAN AMERICAN AGING RESEARCH
214	\$419,519	NATIONAL INST OF HEALTH	Arora, Ripla	INSTITUTE FOR QUANTITATIVE HEALTH	SIGNALING MECHANISMS THAT MODULATE UTERINE 3D STRUCTURE FOR PREGNANCY SUCCESS
215	\$7,454	LAGUNA BIO	Hardy, Jonathan	INSTITUTE FOR QUANTITATIVE HEALTH	CHARACTERIZATION OF LISTERIA VACCINES FOR LAGUNA BIOTECH
216	\$658,405	NATIONAL INST OF HEALTH	Knickmeyer, Rebecca	INSTITUTE FOR QUANTITATIVE HEALTH	PRENATAL MATERNAL STRESS, EXPOSURE TO ENVIRONMENTAL CHEMICALS, AND COGNITIVE DEVELOPMENT: POTENTIAL ROLES FOR INFLAMMATION AND THE DEVELOPING GUT MICROBIOME
217	\$18,026	UNIVERSITY OF CALIFORNIA LOS ANGELES	Shammakhi, Nureddin	INSTITUTE FOR QUANTITATIVE HEALTH	MULTI-ORGAN-ON-CHIP DEVICE FOR MODELING OPIOID REINFORCEMENT AND WITHDRAWAL, AND THE NEGATIVE AFFECTIVE COMPONENT OF PAIN: A THERAPEUTIC SCREENING TOOL
218	\$676,705	NATIONAL INST FOR OCCUPATIONAL SAFETY & HEALTH	Rosenman, Kenneth	MEDICINE	EXPANDED PROGRAM IN OCCUPATIONAL INJURY AND ILLNESS SURVEILLANCE

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219	\$53,853	UNIVERSITY OF MISSOURI	Arora, Ripla	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	MOLECULAR MECHANISMS OF ENDOMETRIAL PROGESTERONE RESISTANCE
220	\$130,527	NATIONAL INST OF HEALTH	Latham, Keith	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	REPRODUCTIVE AND DEVELOPMENTAL SCIENCES TRAINING PROGRAM - T32
221	\$12,500	NATIONAL INST OF HEALTH	Latham, Keith	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	REPRODUCTIVE AND DEVELOPMENTAL SCIENCES TRAINING PROGRAM - T32
222	\$600,564	NATIONAL INST OF HEALTH	Missmer, Stacey	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	INFERTILITY HISTORY AND CHRONIC DISEASE PROFILE
223	\$20,000	SOCIETY FOR REPRODUCTIVE INVESTIGATION	Paul, Emmanuel	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	TRANSCRIPTOMIC ANALYSIS OF UTERINE FIBROIDS FOR DRUG DISCOVERY
224	\$200,000	MICHIGAN PUBLIC HEALTH INST	Poland, Cara	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	PROVIDING TECHNICAL ASSISTANCE TO MICHIGAN COMMUNITIES FOR THE STATE'S OPIOID SETTLEMENT FUNDS
225	\$46,000	OREGON HEALTH & SCIENCE UNIVERSITY	Teixeira, Jose	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	A BABOON MODEL FOR UTERINE FIBROIDS
226	\$406,256	NATIONAL INST OF HEALTH	Teixeira, Jose	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	PATIENT-SPECIFIC TARGETING OF UTERINE FIBROIDS
227	\$8,000	HEMOPHILIA ALLIANCE	Jobe, Shawn	PEDIATRICS AND HUMAN DEVELOPMENT	HEMOPHILIA ALLIANCE FOUNDATION
228	\$375,373	NATIONAL INST OF HEALTH	Bernard, Jamie	PHARMACOLOGY TOXICOLOGY HUMAN MEDICINE	MECHANISTIC ROLE OF OBESITY IN BENZO(A)PYRENE-INITIATED CANCER
229	\$11,753	UNIVERSITY OF MICHIGAN	Bernard, Jamie	PHARMACOLOGY TOXICOLOGY HUMAN MEDICINE	OBESITY, BODY FAT DISTRIBUTION, AND BREAST CANCER RISK: IS VISCERAL FAT THE CULPRIT AFTER MENOPAUSE?
230	\$150,112	SPECTRUM HEALTH - MSU ALLIANCE CORP	Horibata, Sachi	PHARMACOLOGY TOXICOLOGY HUMAN MEDICINE	CHARACTERIZATION OF CHEMOTHERAPY-INDUCED ALTERATION IN MICROTUBULE CYTOSKELETAL ARCHITECTURE IN OVARIAN CANCER

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231	\$595,704	DIGNITY HEALTH - ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	NEUROFIBRILLARY TANGLE EVEOLUTION IN MILD COGNITIVE IMPAIRMENT
232	\$28,519	RUTGERS UNIVERSITY	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	DIELDRIN-INDUCED DIFFERENTIAL GENE METHYLATION AND PARKINSONIAN TOXICITY
233	\$172,089	UNIVERSITY OF CENTRAL FLORIDA	Morgan, David	TRANSLATIONAL NEUROSCIENCE	INVESTIGATING THE ROLE OF ALZHEIMER'S DISEASE FAMILIAL MUTATIONS IN NEUROMUSCULAR PHYSIOLOGY
234	\$19,664	NATIONAL INST OF HEALTH	Mueller, Rebecca	TRANSLATIONAL NEUROSCIENCE	INVESTIGATING THE FUNCTIONAL CONSEQUENCES OF SEEDING IN MAMMALIAN PRIMARY NEURONS WITH ALZHEIMER'S DISEASE BRAIN-DERIVED TAU FILAMENTS
235	\$249,000	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	Sammi, Shreesh	TRANSLATIONAL NEUROSCIENCE	ELUCIDATION OF MITOCHONDRIAL MECHANISMS CRITICAL TO MEDIATING PFAS NEUROTOXICITY
JAMES MADISON COLLEGE					
236	\$1,238,236	TEMPLETON RELIGION TRUST	Olcott, Martha	JAMES MADISON COLLEGE DEAN	SCIENCE, ART AND FAITH: ARCHITECTURAL HERITAGE AND ISLAM
COLLEGE OF NATURAL SCIENCE					
237	\$300,000	NATIONAL SCIENCE FOUNDATION	Hsu, Polly	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	TRANSLATIONAL REGULATION AND NOVEL TRANSLATED SMALL ORFS IN ARABIDOPSIS ABA RESPONSES
238	\$390,004	NATIONAL INST OF HEALTH	Hu, Jian	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	TRANSPORT, SUBSTRATE SPECIFICITY AND REGULATION MECHANISMS OF THE ZIP TRANSITION METAL TRANSPORTERS
239	\$234,750	NATIONAL INST OF HEALTH	Kuo, Min	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	A NOVEL NON-TRANSGENIC FLY MODEL FOR TAUOPATHIES
240	\$375,427	NATIONAL INST OF HEALTH	Orlando, Benjamin	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	STRUCTURAL BASIS OF ANTIMICROBIAL PEPTIDE SENSING AND RESISTANCE
241	\$385,721	NATIONAL INST OF HEALTH	Parent, Kristin	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	BACTERIOPHAGE INTERACTIONS WITH ENTERIC PATHOGENS
242	\$11,200	COREWELL HEALTH	Quinn, Robert	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	MICROBIAL CONJUGATED BILE ACIDS IN THE UPPER GASTROINTESTINAL TRACT

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243	\$607,459	NATIONAL SCIENCE FOUNDATION	Quinn, Robert	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	ORCC: THE ROLE OF BETAINE LIPID BIOCHEMISTRY IN CORAL THERMAL TOLERANCE
244	\$382,010	NATIONAL INST OF HEALTH	Ralston, Amy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	MOLECULAR MECHANISMS REGULATING FORMATION OF DIVERSE STEM CELL PROGENITORS
245	\$126,662	TELEDYNE FLIR	Dantus, Marcos	CHEMISTRY	FLIR COHERENT RAMAN SYSTEM FOR NON-CONTACT CHEMICAL DETECTION
246	\$230,107	US DEPT OF ENERGY	Hamann, Thomas	CHEMISTRY	ELECTROCATALYTIC OXIDATION OF AMMONIA FOR ENERGY CONVERSION AND STORAGE
247	\$269,215	NATIONAL SCIENCE FOUNDATION	Hunt, Katharine	CHEMISTRY	NONADIABATIC TRANSITION PROBABILITIES: APPLICATIONS IN SPECTROSCOPY, QUANTUM THERMODYNAMICS, AND QUANTUM COMPUTING
248	\$302,242	US DEPT OF ENERGY	Xie, Weiwei	CHEMISTRY	UNRAVELING EMERGENT QUANTUM STATES IN MAGNETIC TOPOLOGICAL INSULATORS USING HIGH PRESSURE NEUTRON SCATTERING
249	\$130,000	FERMI NATIONAL ACCELERATOR LABORATORY	Bazavov, Alexei	COMPUTATIONAL MATH SCI AND ENGR CNS	MULTISCALE ACCELERATION: POWERING FUTURE DISCOVERIES IN HIGH ENERGY PHYSICS
250	\$60,542	SPACE TELESCOPE SCIENCE INST	O'Shea, Brian	COMPUTATIONAL MATH SCI AND ENGR CNS	GAS AND GALAXIES THROUGH COSMIC TIME WITH ENZO-E
251	\$83,390	NATIONAL SCIENCE FOUNDATION	Wei, Songqiao	COMPUTATIONAL MATH SCI AND ENGR CNS	CAREER: MODIFICATION OF A CONTINENT: SEISMIC TOMOGRAPHY AND IMAGING OF THE NORTHERN AMERICAN LITHOSPHERE
252	\$70,297	NATIONAL INST OF HEALTH	Yang, Yang	COMPUTATIONAL MATH SCI AND ENGR CNS	RAPID 3D ULTRASOUND TOMOGRAPHY RECONSTRUCTION METHODS FOR GUIDED INTERVENTIONS
253	\$456,134	NATIONAL SCIENCE FOUNDATION	Dorfman, Susannah	EARTH AND ENVIRONMENTAL SCIENCES	TRACKING SODIUM IN EARTH'S DEEP MANTLE
254	\$166,108	UNIVERSITY OF ALASKA	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	KAZAKHSTAN DIGITIZATION EFFORT CONTINUATION - TASK ORDER 9
255	\$572,325	NATIONAL SCIENCE FOUNDATION	Rooney, Tyrone	EARTH AND ENVIRONMENTAL SCIENCES	ASSESSING THE ROLE OF THE LITHOSPHERIC MANTLE DURING PASSIVE MARGIN DEVELOPMENT - INSIGHTS FROM THE SOUTH ATLANTIC AFRICAN MARGIN
256	\$926,260	NATIONAL SCIENCE FOUNDATION	Gallant, Jason	INTEGRATIVE BIOLOGY	A TALE OF NO TAIL: SPERM FLAGELLA LOSS IN MORMYRIDS

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257	\$187,783	NATIONAL INST OF HEALTH	Heath-Heckman, Elizabeth	INTEGRATIVE BIOLOGY	DETERMINING THE ROLE OF BACTERIAL PRODUCTS ON NEURONAL LOCALIZATION AND FUNCTION IN A SYMBIOTIC ORGAN
258	\$50,000	PACIFIC NORTHWEST NATIONAL LABORATORY	Moran, James	INTEGRATIVE BIOLOGY	MORAN/PNNL JOINT APPOINTMENT AGREEMENT
259	\$80,000	US FISH & WILDLIFE SERVICE	Fitzpatrick, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	SEQUENCING WOLBACHIA IN MITCHELL'S SATYR BUTTERFLY RANGE-WIDE
260	\$93,453	REVIVE & RESTORE	Fitzpatrick, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	BACK FROM THE BRINK: HARNESSING GENOMICS TO REVERSE DECLINES IN AN EMBLEMATIC ANDEAN HARLEQUIN FROG
261	\$50,000	WILBURFORCE FOUNDATION	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	SUPPORT FOR CONSERVATIONCORRIDOR.ORG
262	\$159,417	US ARMY CORPS OF ENGINEERS	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	MONITOR & HABITAT RESTORATION FOR ENDANGERED SAINT FRANCIS' SATYR BUTTERFLY, FORT BRAGG, NORTH CAROLINA
263	\$377,544	NATIONAL SCIENCE FOUNDATION	Kalfagianni, Efstratia	MATHEMATICS	TOPOLOGICAL QUANTUM FIELD THEORY AND GEOMETRIC STRUCTURES IN LOW DIMENSIONAL TOPOLOGY
264	\$50,000	NATIONAL SCIENCE FOUNDATION	Nelson, Brent	MATHEMATICS	CONFERENCE: YOUNG MATHEMATICIANS IN C*-ALGEBRAS 2023
265	\$376,668	NATIONAL SCIENCE FOUNDATION	Nelson, Brent	MATHEMATICS	ALMOST PERIODIC VON NEUMANN ALGEBRAS
266	\$8,400	SIMONS FOUNDATION	Schmidt, Benjamin	MATHEMATICS	RIGIDITY IN METRIC AND RIEMANNIAN GEOMETRY
267	\$8,400	SIMONS FOUNDATION	Wong, Willie	MATHEMATICS	GEOMETRIC ANALYSIS OF THE LONG TIME BEHAVIOR OF EVOLUTION EQUATIONS
268	\$154,814	US ARMY RESEARCH OFFICE	Crosson, Sean	MICROBIOLOGY MOLECULAR GENETICS CNS	LEVERAGING ENVIRONMENTAL COMPLEXITY TO DEFINE BACTERIAL GENE FUNCTION
269	\$423,879	NATIONAL INST OF HEALTH	Crosson, Sean	MICROBIOLOGY MOLECULAR GENETICS CNS	MOLECULAR MECHANISMS CONTROLLING STRESS RESPONSES AND CELL ADHESION IN BACTERIA
270	\$383,338	NATIONAL INST OF HEALTH	Olive, Andrew	MICROBIOLOGY MOLECULAR GENETICS CNS	GENETIC MECHANISMS OF TISSUE-RESIDENT MACROPHAGE MAINTENANCE AND FUNCTION
271	\$656,258	NATIONAL INST OF HEALTH	Pyeon, Dohun	MICROBIOLOGY MOLECULAR GENETICS CNS	CHEMOKINE-MEDIATED ANTIGEN-SPECIFIC T CELL RESPONSES AND IMMUNOTHERAPIES TO TREAT HEAD AND NECK CANCER

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272	\$100,000	UNIVERSITY OF WASHINGTON	Schutte, Brian	MICROBIOLOGY MOLECULAR GENETICS CNS	DISSECTING THE TRANSCRIPTIONAL NETWORK GOVERNING DIFFERENTIATION OF PERIDERM
273	\$52,459	NATIONAL INST OF HEALTH	Waters, Christopher	MICROBIOLOGY MOLECULAR GENETICS CNS	EXPLORING CYCLIC DI-NUCLEOTIDE SIGNALING ACROSS THE TREE OF LIFE
274	\$94,359	NATIONAL INST OF HEALTH	Zhang, Yu	MICROBIOLOGY MOLECULAR GENETICS CNS	CHROMATIN LOOPING DIRECTED RAG TARGETING DURING V(D)J RECOMBINATION
275	\$160,999	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Aydi, Elias	PHYSICS ASTRONOMY	BOLOMETRIC LIGHT CURVES FOR A LARGE, DIVERSE SAMPLE OF NOVAE: SUPERSOFT SOURCES, SHOCKS, AND SUPER-EDDINGTON LUMINOSITY
276	\$52,500	SPACE TELESCOPE SCIENCE INST	Chomiuk, Laura	PHYSICS ASTRONOMY	COMBINING OBSERVATIONS WITH SIMULATIONS TO DECIPHER SHOCKS IN NOVAE
277	\$72,549	UNIVERSITY OF WISCONSIN MADISON	DeYoung, Tyce	PHYSICS ASTRONOMY	MANAGEMENT AND OPERATIONS OF THE ICECUBE NEUTRINO OBSERVATORY 2021-2026
278	\$28,499	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	Donahue, Megan	PHYSICS ASTRONOMY	ACCEPT 2.0: PUBLIC RELEASE & SCIENCE RESULTS
279	\$191,955	FERMI NATIONAL ACCELERATOR LABORATORY	Mahn, Kendall	PHYSICS ASTRONOMY	DEEP UNDERGROUND NEUTRINO EXPERIMENT (DUNE)
280	\$181,739	US DEPT OF ENERGY	Ruan, Chong-Yu	PHYSICS ASTRONOMY	SYMMETRY-BREAKING MECHANISM AND METASTABLE STATES IN CHARGE-ORDERED SYSTEMS PROBED USING FEMTOSECOND ELECTRON DIFFRACTION AND SPECTROSCOPY
281	\$85,300	DAVID PACKARD FOUNDATION	Strader, Jay	PHYSICS ASTRONOMY	THE PHYSICS AND ASTRONOMY RESEARCH EXPERIENCES FOR DREW SCHOLARS (PAREDS) PROGRAM AT MICHIGAN STATE UNIVERSITY
282	\$360,892	NATIONAL SCIENCE FOUNDATION	Whitehorn, Nathan	PHYSICS ASTRONOMY	CAREER: WOU-MMA: UNDERSTANDING THE NEUTRINO SKY
283	\$479,688	NATIONAL INST OF HEALTH	Andrechek, Eran	PHYSIOLOGY NATURAL SCIENCE	TRANSCRIPTIONAL REGULATION OF MAMMARY GLAND DEVELOPMENT
284	\$337,477	NATIONAL SCIENCE FOUNDATION	Bazil, Jason	PHYSIOLOGY NATURAL SCIENCE	CAREER: ELUCIDATING THE CAUSAL LINK ASSOCIATED WITH ENERGY METABOLISM AND MITOCHONDRIAL ULTRASTRUCTURE
285	\$419,105	NATIONAL INST OF HEALTH	Laumet, Geoffroy	PHYSIOLOGY NATURAL SCIENCE	NEUROIMMUNE INTERACTIONS REGULATING THE BALANCE BETWEEN REMISSION AND RELAPSE OF PAIN

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286	\$96,371	SANFORD RESEARCH	Laumet, Geoffroy	PHYSIOLOGY NATURAL SCIENCE	INTRA-TUMORAL NEURONS CONTRIBUTE TO HEAD AND NECK CANCER PAIN
287	\$472,168	NATIONAL INST OF HEALTH	Liang, Yun	PHYSIOLOGY NATURAL SCIENCE	UNDERSTANDING THE IMMUNOMETABOLIC MECHANISM OF VGLL3 MEDIATING FEMALE-BIASED AUTOIMMUNITY
288	\$339,567	NATIONAL INST OF HEALTH	Liang, Yun	PHYSIOLOGY NATURAL SCIENCE	DISCOVERING MIR6891-5P: GUARDIAN OF XX ALLELIC BALANCE AND BARRIER TO SJÖGREN'S SYNDROME PATHOGENESIS
289	\$62,640	NATIONAL INST OF HEALTH	Liang, Yun	PHYSIOLOGY NATURAL SCIENCE	THE ROLE OF VGLL3 IN SEXUALLY DIMORPHIC INTERFERON-DRIVEN INFLAMMATION
290	\$383,158	NATIONAL INST OF HEALTH	Josephs, Emily	PLANT BIOLOGY CNS	DETERMINING THE EVOLUTIONARY FORCES SHAPING GENOTYPE-BY-ENVIRONMENT INTERACTIONS
291	\$391,250	NATIONAL INST OF HEALTH	Brandizzi, Federica	PLANT RESEARCH LABORATORY NAT SCIENCE	UNFOLDED PROTEIN RESPONSE IN THE MODEL SPECIES ARABIDOPSIS THALIANA
292	\$105,121	NATIONAL SCIENCE FOUNDATION	Xiao, Yimin	STATISTICS PROBABILITY	ANALYSIS AND GEOMETRY OF RANDOM FIELDS RELATED TO STOCHASTIC PARTIAL DIFFERENTIAL EQUATIONS AND RANDOM MATRICES
COLLEGE OF OSTEOPATHIC MEDICINE					
293	\$1,645,866	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	THE INTRANSIGENCE OF MALARIA IN MALAWI: UNDERSTANDING HIDDEN RESERVOIRS, SUCCESSFUL VECTORS AND PREVENTION FAILURES
294	\$9,000	AMERICAN SOCIETY FOR PHARMACOLOGY & EXPERIMENTAL THERAPEUTICS	Dorrance, Anne	PHARMACOLOGY TOXICOLOGY	SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP
295	\$391,250	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Lee, Kin Sing	PHARMACOLOGY TOXICOLOGY	FERROPTOSIS AND POLYUNSATURATED FATTY ACID METABOLISM
296	\$13,173	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Lee, Kin Sing	PHARMACOLOGY TOXICOLOGY	FERROPTOSIS AND POLYUNSATURATED FATTY ACID METABOLISM
297	\$41,833	NATIONAL INST OF HEALTH	Moerland, Jess	PHARMACOLOGY TOXICOLOGY	THE IMMUNOMODULATORY EFFECTS OF NRF2 ACTIVATION ON MACROPHAGES IN THE LUNG TUMOR MICROENVIRONMENT
298	\$408,260	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	INTEGRATIVE PHARMACOLOGICAL SCIENCES TRAINING PROGRAM (IPSTP)

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299	\$689,739	NATIONAL CANCER INST	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	MANAGING SYMPTOMS AND PSYCHOLOGICAL DISTRESS DURING ORAL ANTI-CANCER TREATMENT
300	\$36,084	UNIVERSITY OF ARIZONA	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	ADAPTIVE SYMPTOM SELF-MANAGEMENT TO REDUCE PSYCHOLOGICAL DISTRESS AND IMPROVE SYMPTOM MANAGEMENT FOR SURVIVORS ON IMMUNE CHECKPOINT INHIBITORS
301	\$69,685	AMER HEART ASSOC	Fernandez, Zac	RADIOLOGY OSTEOPATHIC MEDICINE	TRPA1 IN COGNITION AND BRAIN CONNECTIVITY
302	\$15,000	BLUE CROSS & BLUE SHIELD OF MICHIGAN	Restini, Carolina	SE MI MACOMB UNIVERSITY CENTER	MACOMB COUNTY STREET MEDICINE & SPARTAN STREET MEDICINE - MICHIGAN STATE UNIVERSITY - COLLEGE OF OSTEOPATHIC MEDICINE
COLLEGE OF SOCIAL SCIENCE					
303	\$299,976	NATIONAL SCIENCE FOUNDATION	Gibbs, Carole	CRIMINAL JUSTICE	EAGER: RATIONAL CHOICE IN THE REAL WORLD: UNPACKING NEIGHBORHOOD INFLUENCES ON THE DECISION PROCESS FOR YOUTH VIOLENCE
304	\$12,000	BLACK FAMILY DEVELOPMENT INC	Krupa, Julie	CRIMINAL JUSTICE	DETROIT CEASEFIRE - RESEARCH PARTNER
305	\$99,998	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Theuerkauf, Ethan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	2023-309-TECHNICAL TOOLKIT SUPPORT MSU
306	\$198,369	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Henebry, Geoffrey	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	INSTITUTIONAL FORCINGS ON AGRICULTURAL LANDSCAPES IN POST-SOCIALIST EUROPE: DIACHRONIC HOTSPOT ANALYSIS OF CAP INFLUENCES ON AGRICULTURAL LAND USE IN ROMANIA 2002-2024
307	\$99,910	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Henebry, Geoffrey	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	EVALUATING THE SENSITIVITY OF FINE SPATIAL RESOLUTION X-BAND SAR TIME SERIES TO THE PHENOLOGY OF MULTIPLE CROPS USING CAPELLA SPACE PRODUCTS
308	\$176,355	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	MACHINE LEARNING PLANET HIGH RESOLUTION TRAINING DATA FOR MEDIUM RESOLUTION LAND COVER AND DISTURBANCE MAPPING
309	\$198,901	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Yan, Lin	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	DRIVERS AND CONSTRAINTS OF LAND COVER LAND USE CHANGE IN ASIAN AQUACULTURE HOTSPOTS

Gift, Grant and Contract Report
Board of Trustees
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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
310	\$109,135	NATIONAL INST ON DRUG ABUSE	Brincks, Ahnalee	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	DEVELOPING METHODS TO ESTIMATE MEDIATION EFFECTS IN ADAPTIVE INTERVENTIONS
311	\$415,355	NATIONAL INST OF HEALTH	Wang, Yijie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	DISCRIMINATION AND ADOLESCENT SUBSTANCE USE: UNDERSTANDING MODERATING MECHANISMS OF SLEEP AND NEIGHBORHOOD ENVIRONMENT IN THE ABCD STUDY
312	\$42,000	UNIVERSITY OF CALIFORNIA SANTA BARBARA	Rehberger, Dean	MATRIX HUM ARTS LETTERS SOC SCI ONLINE	AI: KNOWWHEREGRAPH: ENRICHING AND LINKING CROSS-DOMAIN KNOWLEDGE GRAPHS USING SPATIALLY-EXPLICIT AI TECHNOLOGIES TO ADDRESS PRESSING CHALLENGES AT THE HUMAN-ENVIRONMENT NEXUS
313	\$51,077	CRIM FITNESS FOUNDATION	Acevedo, Ignacio	PSYCHOLOGY SOCIAL SCIENCE	FLINT COMMUNITY EDUCATION EVALUATION 2022
314	\$578,463	NATIONAL INST OF HEALTH	Burt, Alex	PSYCHOLOGY SOCIAL SCIENCE	THE METHYLOMIC CONSEQUENCES OF NEIGHBORHOOD DISADVANTAGE FOR YOUTH RISK-TAKING BEHAVIORS.
315	\$81,605	RTI INTL	Campbell, Rebecca	PSYCHOLOGY SOCIAL SCIENCE	SAKI TTA PROJECT (SEXUAL ASSAULT KIT INITIATIVE TRAINING AND TECHNICAL ASSISTANCE PROJECT)
316	\$49,800	NATIONAL SCIENCE FOUNDATION	Carter, Dorothy	PSYCHOLOGY SOCIAL SCIENCE	COLLABORATIVE RESEARCH: STRATEGIC LEADERSHIP SYSTEMS: HOW NETWORKS OF STRATEGIC COMMUNICATION AND INFORMAL INFLUENCE ARISE AND DRIVE FIRM PERFORMANCE.
317	\$200,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Gregory, Katie	PSYCHOLOGY SOCIAL SCIENCE	CRIME VICTIM ADMINISTRATIVE FEDERAL ASSISTANCE.
318	\$602,369	NATIONAL INST OF HEALTH	Levendosky, Alytia	PSYCHOLOGY SOCIAL SCIENCE	TIMING OF PRENATAL STRESS AND EARLY MARKERS OF CHILD PSYCHOPATHOLOGY
319	\$201,201	NATIONAL INST OF HEALTH	Lonstein, Joseph	PSYCHOLOGY SOCIAL SCIENCE	NEURAL BASIS OF STRESS-DERAILED MOTHERHOOD
320	\$15,109	UNIVERSITY OF ILLINOIS CHICAGO	Neal, Jennifer	PSYCHOLOGY SOCIAL SCIENCE	PATIENT NAVIGATORS FOR CHILDREN'S COMMUNITY MENTAL HEALTH SERVICES IN HIGH POVERTY URBAN COMMUNITIES
321	\$37,688	NATIONAL INST OF HEALTH	Veenema, Alexa	PSYCHOLOGY SOCIAL SCIENCE	OXYTOCIN NEURAL CIRCUITRY INVOLVEMENT IN JUVENILE SOCIAL PLAY
322	\$45,000	BLUE CROSS BLUE SHIELD OF MICHIGAN FOUNDATION	Shires, Deirdre	SOCIAL WORK	LGBTQ-AFFIRMING PRIMARY CARE AT MICHIGAN'S COMMUNITY HEALTH CENTERS
323	\$84,042	UNIVERSITY OF TEXAS AT ARLINGTON	Smith-Darden, Joanne	SOCIAL WORK	CREATING PROTECTIVE ENVIRONMENTS THROUGH SCHOOL POLICY DEVELOPMENT

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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
COLLEGE OF VETERINARY MEDICINE					
324	\$15,000	MERCK SHARP & DOHME	Abuelo Sebio, Angel	LARGE ANIMAL CLINICAL SCIENCES	2023 FOOD SYSTEMS FELLOWSHIP PROGRAM
325	\$445,564	NATIONAL INST OF HEALTH	Moeser, Adam	LARGE ANIMAL CLINICAL SCIENCES	NEURO-IMMUNE MECHANISMS IN EARLY LIFE STRESS-INDUCED GASTROINTESTINAL DISEASE
326	\$1,507,817	GRAYSON JOCKEY CLUB RESEARCH FOUNDATION INC	Hussey, Gisela	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	USE OF NUCLEIC ACID VACCINES TO PROTECT FROM EHV-1/EHM
327	\$497,939	NATIONAL INST OF HEALTH	Luyendyk, James	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	NOVEL PROTEOLYTIC MECHANISMS DRIVING PATHOLOGIC HEPATIC CONGESTION IN DRUG-INDUCED HEPATOTOXICITY
328	\$387,500	NATIONAL INST OF HEALTH	Meek, Katheryn	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	DEFINING THE MECHANISTIC BASIS OF ATM'S IMPACT ON VDJ RECOMBINATION
329	\$399,553	NATIONAL INST OF HEALTH	Petroff, Margaret	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	MATERNAL CENTRAL IMMUNE TOLERANCE IN REPRODUCTION
330	\$389,398	NATIONAL INST OF HEALTH	Vega, Irving	PHARMACOLOGY TOXICOLOGY	BRIDGE TO THE PHD IN NEUROSCIENCE
331	\$480,436	ABSS SOLUTIONS INC	Mejia, Ricardo	SMALL ANIMAL CLINICAL SCIENCES	FASCICULAR TRACKING IN OVINE NERVOUS SYSTEM AFTER BLAST EXPOSURE WITH HIGH DEFINITION FIBER TRACKING AND DIFFUSION TENSOR IMAGING
332	\$132,198	UNIVERSITY OF MICHIGAN	Yuzbasiyan-Gurkan, Vilma	SMALL ANIMAL CLINICAL SCIENCES	ENGINEERED NANO-FORMULATIONS FOR STING ACTIVATION
333	\$25,292	MORRIS ANIMAL FOUNDATION	Yuzbasiyan-Gurkan, Vilma	SMALL ANIMAL CLINICAL SCIENCES	SAS IN NEWFOUNDLAND DOGS: USING NEW GENOMIC TOOLS TO UNDERSTAND AN OLD PROBLEM
334	\$40,800	FOOD & DRUG ADMINISTRATION	Dodd, Kimberly	VETERINARY DIAGNOSTIC LABORATORY	MICHIGAN STATE UNIVERSITY VDL VETLRN 2022
FACILITY FOR RARE ISOTOPE BEAMS					
335	\$2,170,000	US DEPT OF ENERGY	Glasmacher, Thomas	FACILITY FOR RARE ISOTOPE BEAMS	HIGH RIGIDITY SPECTROMETER PROJECT
336	\$182,868	US DEPT OF ENERGY	Nazarewicz, Witold	FACILITY FOR RARE ISOTOPE BEAMS	BAYESIAN FRAMEWORK FOR MINING OF EVALUATED NUCLEAR MASS DATA

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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
337	\$78,982	FERMI NATIONAL ACCELERATOR LABORATORY	Ostroumov, Peter	FACILITY FOR RARE ISOTOPE BEAMS	FERMILAB ACCELERATOR PHD PROGRAM - JOHN WIELAND
338	\$2,000,000	MISSILE DEFENSE AGENCY	Stolz, Andreas	FACILITY FOR RARE ISOTOPE BEAMS	SINGLE EVENT EFFECT TEST FACILITY UPGRADE
339	\$15,000	RADIATION MONITORING DEVICES INC	Zegers, Remco	FACILITY FOR RARE ISOTOPE BEAMS	ORGANIC GLASS SCINTILLATORS FOR NUCLEAR PHYSICS EXPERIMENTS
340	\$164,000	US DEPT OF ENERGY	Lee, Dean	NAT'L SUPERCONDUCTING CYCLOTRON LAB	EFFECTIVE FIELD THEORY AND RENORMALIZATION GROUP STUDIES OF QUANTUM ALGORITHMS
341	\$20,252	LAWRENCE LIVERMORE NATIONAL LABORATORY	Nunes, Filomena	NAT'L SUPERCONDUCTING CYCLOTRON LAB	FRIB THEORY FELLOW AT LAWRENCE LIVERMORE NATIONAL LABORATORY - HEBBORN
342	\$58,000	US DEPT OF ENERGY	Pratt, Scott	NAT'L SUPERCONDUCTING CYCLOTRON LAB	DETERMINING PROPERTIES OF MATTER CREATED AT RHIC
PROVOST AND ACADEMIC AFFAIRS					
343	\$3,000,000	MICHIGAN DEPT OF EDUCATION	Gretter, Sarah	APPLE DEVELOPER ACADEMY	67C MSU DEVELOPER ACADEMY
INTERNATIONAL STUDIES AND PROGRAMS					
344	\$84,439	FOREIGN AGRICULTURAL SERVICE	Hooper, Sharon	VISITING INTNL PROFESSIONAL PROGRAM	COCHRAN FELLOWSHIP PROGRAM – U.S. DRY BEANS PROCESSING, PROMOTION, AND MARKETING FOR COSTA RICA, GUATEMALA, EL SALVADOR, AND HONDURAS
MSU AGBIORESEARCH					
345	\$100,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Bielaczyc, Noel	ABR DIRECTORS OFFICE	SUPPORTING MICHIGAN'S FOOD HUB NETWORK
346	\$80,000	MICHIGAN DEPT OF NATURAL RESOURCES	Roloff, Gary	ABR DIRECTORS OFFICE	COOPERATIVE AGREEMENT NO 1434-22HQURU1589: AGREEMENT FOR ESTABLISHMENT AND OPERATION OF THE MICHIGAN COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT
347	\$3,000,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Smith, George	ABR DIRECTORS OFFICE	MICHIGAN ALLIANCE FOR ANIMAL AGRICULTURE - 2023
348	\$300,000	NATIONAL INST OF FOOD & AGRICULTURE	Quintanilla Tornel, Marisol	ENTOMOLOGY MABR	SUSTAINABLE MANAGEMENT OF SUGAR BEET CYST NEMATODE

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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
349	\$749,998	NATIONAL INST OF FOOD & AGRICULTURE	Quintanilla Tornel, Marisol	ENTOMOLOGY MABR	DEVELOPMENT OF SUPPRESSIVE SOILS FOR SUSTAINABLE MANAGEMENT OF THE POTATO EARLY DIE COMPLEX
350	\$90,265	MICHIGAN DEPT OF NATURAL RESOURCES	Infante, Dana	FISHERIES AND WILDLIFE MABR	GREAT LAKES AND INLAND GIS SUPPORT AND DEVELOPMENT FOR MICHIGAN SWAP IMPLEMENTATION
351	\$20,056	VARIOUS INDUSTRIES	Bales, Scott	PLANT SOIL AND MICROBIAL SCIENCES	BALES PSM TESTING
352	\$29,100	VARIOUS INDUSTRIES	Burns, Erin	PLANT SOIL AND MICROBIAL SCIENCES	BURNS PSM TESTING
353	\$369,900	VARIOUS INDUSTRIES	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	CHILVERS PSM TESTING
354	\$56,644	VARIOUS INDUSTRIES	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	DOUCHES PSM TESTING
355	\$24,000	VARIOUS INDUSTRIES	Frank, Kevin	PLANT SOIL AND MICROBIAL SCIENCES	FRANK PSM TESTING
356	\$125,600	VARIOUS INDUSTRIES	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	HAUSBECK PSM TESTING
357	\$30,000	WASHTENAW COUNTY WATER RESOURCES	Asher, Jeremiah	WATER RESEARCH INSTITUTE MABR	SALINE RIVER WATERSHED BUFFER EASEMENT PILOT PROJECT
358	\$305,638	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Asher, Jeremiah	WATER RESEARCH INSTITUTE MABR	GREAT LAKES WATERSHED MANAGEMENT SYSTEM: ENHANCEMENTS FOR TRACKING MICHIGAN DOMESTIC ACTION PLAN NUTRIENT GOAL TRACKING
MICHIGAN STATE UNIVERSITY EXTENSION					
359	\$114,625	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Milbrath, Meghan	ENTOMOLOGY MSUE	TAKING THE STING OUT OF HONEY BEE MEDICINE: TRAINING AND TOOLS FOR VETERINARIANS TO INCREASE ACCESS TO CARE FOR BEEKEEPERS.
360	\$8,000	MICHIGAN STATE HORTICULTURAL SOCIETY	Nasrollahiazar, Esmail	EXTENSION AGRICULTURE AND AGRIBUSINESS	MEETING MICHIGAN'S GRAPE AND WINE INDUSTRY'S EDUCATIONAL NEEDS IN 2023
361	\$26,898	MICHIGAN SOYBEAN COMMITTEE	Staton, Michael	EXTENSION AGRICULTURE AND AGRIBUSINESS	2023 MSU EXTENSION ON-FARM RESEARCH AND EDUCATION PROJECTS

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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
362	\$40,000	BARRY COUNTY UNITED WAY	Moore, Erin	EXTENSION CHILDREN AND YOUTH	BARRY COUNTY MSU EXTENSION 4-H PROGRAM
363	\$44,829	MICHIGAN 4H FOUNDATION	Schulz, Jodi	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
364	\$73,276	MICHIGAN 4H FOUNDATION	Schulz, Jodi	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
365	\$53,796	THE NATURE CONSERVANCY	Bassett, Tyler	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	TNC KEWEENAW INVENTORY PROJECT
366	\$45,470	SOUTHWEST MICHIGAN LAND CONSERVANCY	Bassett, Tyler	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	SWMLC WAU-KE-NA PRESERVE DEER BROWSE MONITORING
367	\$25,000	HAL & JEAN GLASSEN MEMORIAL FOUNDATION	Burroughs, Jordan	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	LEADERSHIP IN CONSERVATION, NATURAL RESOURCES AND ENVIRONMENT SESSION OF THE LEADERSHIP ADVANCEMENT PROGRAM
368	\$72,745	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MNFI 2023-TITLE19-CLIMATE RESILIENT NATURAL COMMUNITIES-FY23
369	\$25,000	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	8 - NATURAL COMMUNITY SURVEYS OF FRD LANDS 2023
370	\$67,999	US FISH & WILDLIFE SERVICE	Cole-Wick, Ashley	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MITCHELL'S SATYR MANAGEMENT, AND MONITORING (2023-2024)
371	\$220,000	USDA FOREST SERVICE	Cuthrell, David	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	SURVEY, INVENTORY, AND MONITOR PLANTS, ANIMALS AND ECOSYSTEMS ON THE HIAWATHA NATIONAL FOREST

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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
372	\$101,377	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	Ivan, David	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	STATE OF MICHIGAN EMPLOYEE NETWORK ANALYSIS TO ENHANCE FIELD STAFF EFFECTIVENESS
373	\$181,593	MICHIGAN DEPT OF TRANSPORTATION	Klatt, Brian	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	SUPPORT OF MDOT NEPA PLANNING ACTIVITIES
374	\$57,095	MICHIGAN DEPT OF NATURAL RESOURCES	Monfils, Michael	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	TITLE 27: KARNER BLUE SURVEYS TO SUPPORT MANAGEMENT PLANNING AND POPULATION STATUS ASSESSMENT
375	\$74,592	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Prykucki, Bethany	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	DEVELOPMENT OF RECYCLING LEADERS TRAINING COURSE FOR FY21
376	\$712,945	UNIVERSITY OF MICHIGAN	Triezenberg, Heather	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MICHIGAN SEA GRANT OMNIBUS FY 2022-2023
377	\$115,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Woods, Mollie	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	FOOD PROCESSING AND MANUFACTURING SEARCH
378	\$10,000	MICHIGAN SUGARBEET ADVANCEMENT	Bublitz, Daniel	PLANT SOIL AND MICROBIAL SCIENCES	SALARY AND FRINGE FOR RG072614 BUBL
379	\$12,000	MONSANTO CO	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATION OF TRECEPTA FOR YIELD AND EFFICACY ON WESTERN BEAN CUTWORM
RESEARCH AND INNOVATION					
380	\$22,500	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	LaPres, John	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	MULTIDISCIPLINARY TRAINING IN ENVIRONMENTAL TOXICOLOGY
381	\$467,256	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	LaPres, John	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	MULTIDISCIPLINARY TRAINING IN ENVIRONMENTAL TOXICOLOGY

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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
382	\$300,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Affholter, Joe	MSU INNOVATION CENTER	MSU ADVANCE GRANT PROGRAM, RFP-CASE-317360
383	\$1,418,395	VARIOUS INDUSTRIES	Hasemann, Charles	MSU INNOVATION CENTER	FEE FOR SERVICE - INDUSTRY
384	\$550,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Buhler, Douglas	OFFICE OF RESEARCH AND INNOVATION	MICHIGAN STATE UNIVERSITY MTRAC SEPT,2020 AUG,2021
UNIVERSITY ADVANCEMENT					
385	\$20,409,382	VARIOUS DONORS - ADVANCEMENT	Tobin, Kim	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR THE PERIOD 01/01/2023 TO 03/31/2023 (CASH RECEIVED)
FINANCE					
386	\$6,421,293	VARIOUS GRANTORS	Pedawi, Evonne	SPONSORED PROGRAMS ADMIN CGA POSTAWARD	FEE FOR SERVICE - OTHER
MICHIGAN STATE UNIVERSITY COLLEGE OF LAW					
387	\$300,000	ACCESSLEX INSTITUTE	Greene, Linda	COLLEGE OF LAW DEAN	MICHIGAN STATE UNIVERSITY COLLEGE OF LAW PATHWAY TO THE LEGAL PROFESSION PROGRAM
MSU UNIVERSITY RESEARCH ORGANIZATION					
388	\$186,000	MICHIGAN STATE POLICE	Arnetz, Bengt	UNIVERSITY RESEARCH ORGANIZATION	CRISIS RESPONSE AND INTERVENTION TRAINING
UNIVERSITY ARTS AND COLLECTIONS					
389	\$75,000	TERRA FOUNDATION FOR AMER ART	Winter, Rachel	ART MUSEUM	CRYPTIC CONFESSION: THE QUESTION /// RE-ENVISIONING AMERICAN ART IN VISIBLE STORAGE AT THE MSU BROAD ART MUSEUM
390	\$10,000	ARTS COUNCIL OF GREATER LANSING	Word, Michelle	ART MUSEUM	FY22-23 INGHAM COUNTY HOTEL/MOTEL GRANT
391	\$12,000	GREATER LANSING DESTINATION DEVELOPMENT FOUNDATION	Akmon, Devon	MUSEUM	FUNDING FOR FOOD FIGHT!
VARIOUS					
392	\$79,607	VARIOUS	Various	Various	27 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION

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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
	\$122,270,078	Total June 2023 Board			

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
June 16, 2023

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Lumber & plywood	James Rosenthal	Intercollegiate Athletics Spartan Fund	\$43,677.39	Construction materials for Tom Izzo Football Building
2	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$33,319.64	Recruiting trip for men's basketball
3	Air transportation	Dempsey Ventures, LLC	Intercollegiate Athletics Spartan Fund	\$33,197.50	Recruiting trip for men's basketball
4	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$29,638.25	Recruiting trip for men's basketball
5	Etched crystal trophies & awards	PrimeTime Awards William & Julie Boettcher	Intercollegiate Athletics Spartan Fund	\$11,593.15	Awards for men's golf
6	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$10,587.45	Recruiting trip for men's basketball
7	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$7,591.56	Recruiting trip for men's basketball
8	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$6,994.75	Recruiting trip for men's basketball

CONSIGNMENT/NON-CASH GIFTS
 BOARD OF TRUSTEES
 June 16, 2023

9	Office furniture	Innovare Jim Baker	Intercollegiate Athletics Spartan Fund	\$5,500.00	Coach Tucker Office
10-53	Various	Various	Various	\$59,012.03	44 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
			TOTAL	\$241,111.72	