

**MICHIGAN STATE**  
**UNIVERSITY**

April 7, 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 January 12, 2023, through March 22, 2023. The report is a compilation of 476 Gifts, Grants and Contracts plus 14 Consignment/Non-Cash Gifts, with a total value of \$113,219,350.

FY 2022-23 TOTALS:

- |   |               |
|---|---------------|
| a) Gifts, Grants and Contracts only:              | \$627,976,871 |
| b) Gifts, Grants and Contracts plus Consignments: | \$628,803,092 |
- (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: 04/21/2023

Current Period: Jan 12, 2023 - Mar 22, 2023

#### AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$88,325,709	\$385,380,945	89.5%
State of Michigan	\$2,170,914	\$7,271,277	1.7%
Other	\$3,749,634	\$15,582,647	3.6%
Industry/CO	\$1,963,438	\$7,012,980	1.6%
Foundation	\$862,028	\$12,527,346	2.9%
Association	\$574,802	\$2,698,725	0.6%
<b>Research - Total</b>	<b>\$97,646,524</b>	<b>\$430,473,918</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$8,640,955	\$67,786,771	34.3%
State of Michigan	\$4,198,190	\$22,467,103	11.4%
Other	\$1,324,775	\$13,453,974	6.8%
Industry/CO	\$309,498	\$3,995,672	2.0%
Foundation	\$791,358	\$5,619,247	2.8%
Association	\$65,106	\$561,878	0.3%
Various Donors - Advancement	\$0	\$83,618,308	42.3%
<b>Non-Research - Total</b>	<b>\$15,329,882</b>	<b>\$197,502,952</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$96,966,664	\$453,167,715	72.2%
State of Michigan	\$6,369,103	\$29,738,379	4.7%
Other	\$5,074,409	\$29,036,620	4.6%
Industry/CO	\$2,272,936	\$11,008,652	1.8%
Foundation	\$1,653,385	\$18,146,592	2.9%
Association	\$639,908	\$3,260,603	0.5%
Various Donors - Advancement	\$0	\$83,618,308	13.3%
<b>TOTAL</b>	<b>\$112,976,405</b>	<b>\$627,976,871</b>	<b>100%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	218	1,008	60.3%
State of Michigan	17	66	3.9%
Other	49	223	13.3%
Industry/CO	74	222	13.3%
Foundation	24	81	4.8%
Association	16	72	4.3%
<b>Research - Total</b>	<b>398</b>	<b>1,672</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	28	231	49.4%
State of Michigan	12	44	9.4%
Other	15	73	15.6%
Industry/CO	6	50	10.7%
Foundation	16	58	12.4%
Association	1	9	1.9%
Various Donors - Advancement	0	3	0.6%
<b>Non-Research - Total</b>	<b>78</b>	<b>468</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	246	1,239	57.9%
State of Michigan	29	110	5.1%
Other	64	296	13.8%
Industry/CO	80	272	12.7%
Foundation	40	139	6.5%
Association	17	81	3.8%
Various Donors - Advancement	0	3	0.1%
<b>TOTAL</b>	<b>476</b>	<b>2,140</b>	<b>100%</b>

## Current Year / Previous Year

### Gift & Grant Awards

Meeting Date: 04/21/2023

Current Period: Jan 12, 2023 - Mar 22, 2023

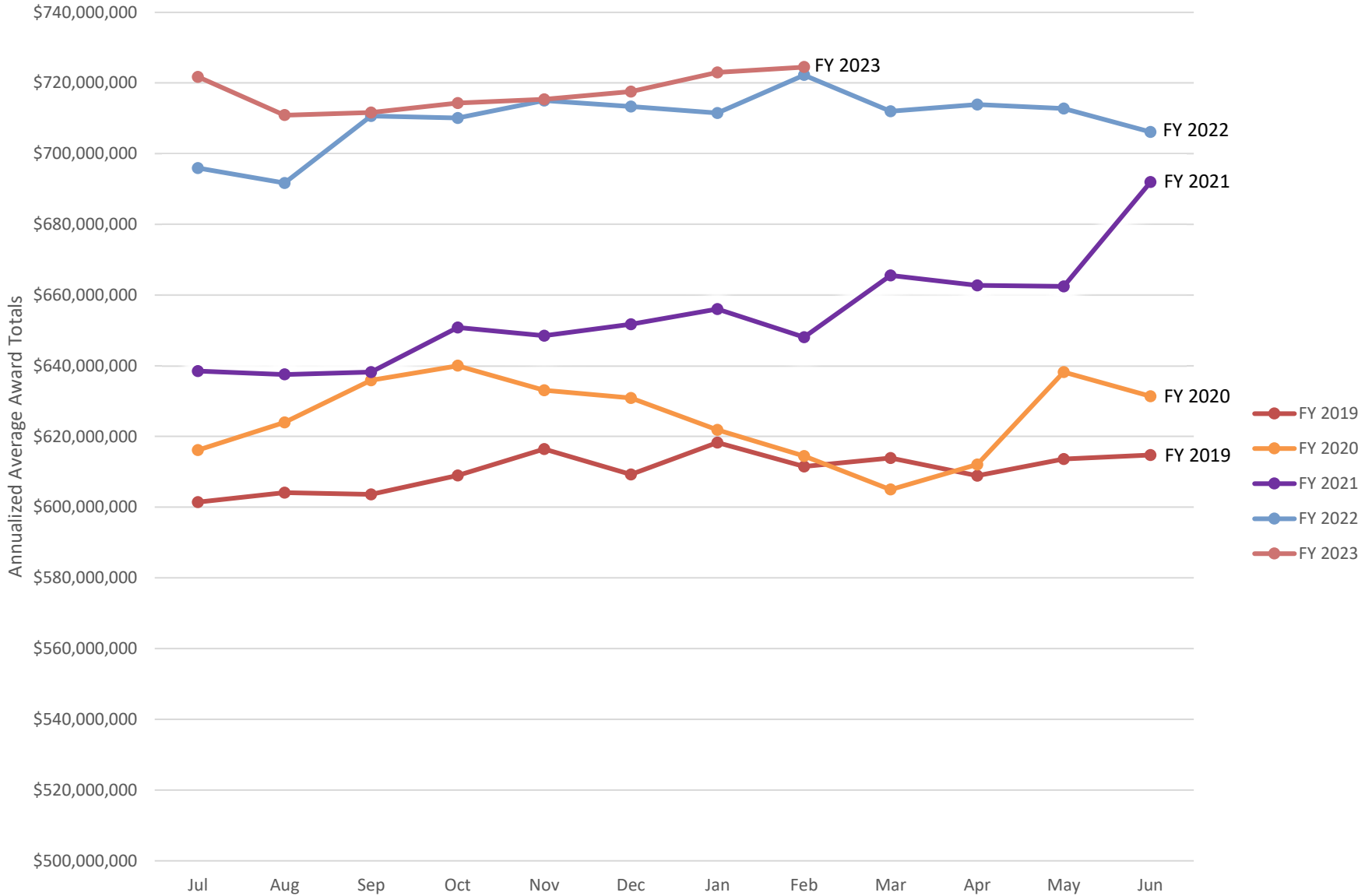
#### AWARD TOTALS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$312,984,864	\$385,380,945	23.1%
State of Michigan	\$17,523,200	\$7,271,277	-58.5%
Other	\$13,157,308	\$15,582,647	18.4%
Industry/CO	\$8,095,528	\$7,012,980	-13.4%
Foundation	\$17,508,075	\$12,527,346	-28.4%
Association	\$1,859,371	\$2,698,725	45.1%
<b>Research - Total</b>	<b>\$371,128,345</b>	<b>\$430,473,918</b>	<b>16.0%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$78,298,800	\$67,786,771	-13.4%
State of Michigan	\$6,412,029	\$22,467,103	250.4%
Other	\$15,309,074	\$13,453,974	-12.1%
Industry/CO	\$2,613,778	\$3,995,672	52.9%
Foundation	\$7,334,930	\$5,619,247	-23.4%
Association	\$221,666	\$561,878	153.5%
Various Donors - Advancement	\$148,375,013	\$83,618,308	-43.6%
<b>Non-Research - Total</b>	<b>\$258,565,290</b>	<b>\$197,502,952</b>	<b>-23.6%</b>
Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change
Federal Government	\$391,283,664	\$453,167,715	15.8%
State of Michigan	\$23,935,229	\$29,738,379	24.2%
Other	\$28,466,382	\$29,036,620	2.0%
Industry/CO	\$10,709,306	\$11,008,652	2.8%
Foundation	\$24,843,005	\$18,146,592	-27.0%
Association	\$2,081,037	\$3,260,603	56.7%
Various Donors - Advancement	\$148,375,013	\$83,618,308	-43.6%
<b>TOTAL</b>	<b>\$629,693,635</b>	<b>\$627,976,871</b>	<b>-0.3%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	957	1,008	5.3%
State of Michigan	86	66	-23.3%
Other	219	223	1.8%
Industry/CO	198	222	12.1%
Foundation	81	81	0.0%
Association	86	72	-16.3%
<b>Research - Total</b>	<b>1,627</b>	<b>1,672</b>	<b>2.8%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	243	231	-4.9%
State of Michigan	37	44	18.9%
Other	75	73	-2.7%
Industry/CO	36	50	38.9%
Foundation	73	58	-20.5%
Association	11	9	-18.2%
Various Donors - Advancement	3	3	0.0%
<b>Non-Research - Total</b>	<b>478</b>	<b>468</b>	<b>-2.1%</b>
Total			
Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	1,200	1,239	3.2%
State of Michigan	123	110	-10.6%
Other	294	296	0.7%
Industry/CO	234	272	16.2%
Foundation	154	139	-9.7%
Association	97	81	-16.5%
Various Donors - Advancement	3	3	0.0%
<b>TOTAL</b>	<b>2,105</b>	<b>2,140</b>	<b>1.7%</b>

### Michigan State University 3 Year Annualized Average Awards



## Top 10 Awards for the April 21, 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	\$29,670,000	Thomas Glasmacher	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	New	Research	03/15/2018 07/31/2023	High Rigidity Spectrometer Project
2	Federal Government	\$10,000,000	Brent Ross	National Inst of Food & Agriculture	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	New	Research	04/01/2023 03/31/2028	Building Resilience to Shocks and Disruptions: Creating Sustainable and Equitable Local and Regional Food Systems in the US Midwest Region and Beyond
3	Federal Government	\$6,969,650	Connie Sung	US Dept of Education	COUNSELING, EDUC PSYCH & SPEC EDUC	New	Public Service	10/01/2021 09/30/2026	Development and Validation of Social Cognitive Career Theory (SCCT) Interventions for VR Consumers – A Career Pathway for Quality Employment and Upward Mobility in STEMM Fields: Project STEMM-UP
4	Federal Government	\$3,327,655	Mywish Maredia	US Agency for Intl Development	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	Modification	Research	01/01/2020 12/31/2025	Agriculture and Nutrition Policy Activity Tanzania Associate Award
5	State of Michigan	\$2,800,000	Clare Luz	Michigan Dept of Health & Human Services	FAMILY AND COMMUNITY MEDICINE	New	Public Service	10/01/2022 09/30/2023	DCW Training Pilot Project
6	Federal Government	\$1,400,000	Douglas Buhler	US Agency for Intl Development	MSU AGBIORESEARCH DIR OFC	Modification	Research	08/23/2018 08/22/2023	Feed the Future Innovation Lab for Legume Systems Research (ILLSR)
7	Federal Government	\$1,260,376	Chengcheng Fang	US Dept of the Army	CHEMICAL ENGINEERING AND MATERIALS SCI	New	Research	10/01/2022 09/30/2023	Develop lightweight, low-temperature, and safe batteries for autonomous electric vehicles
8	Federal Government	\$1,199,999	Wen Li	National Science Foundation	INSTITUTE FOR QUANTITATIVE HEALTH	New	Research	10/15/2022 09/30/2025	SitS: Wireless, sustainable, and automated sensory system for in-situ monitoring of soil heavy metals
9	Federal Government	\$1,023,554	Xiaoming Liu	Intelligence Advanced Research Projects Activity	COMPUTER SCIENCE AND ENGINEERING	Modification	Research	11/12/2021 11/11/2025	Physics-driven Modeling and Learning for Person Recognition at a Distance and Altitude
10	Federal Government	\$869,015	Shanelle Foster	US Dept of the Army	ELECTRICAL AND COMPUTER ENGINEERING	New	Research	10/01/2022 09/30/2023	Lightweight Electric Powertrain with High-speed Machines and Drives
	<b>TOTAL</b>	<b>\$58,520,249</b>							

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**April 2023**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
<b>COLLEGE OF AGRICULTURE AND NAT RESOURCES</b>					
1	\$603,874	INTL FOOD POLICY RESEARCH INST	Boughton, Duncan	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	IFPRI - MAPSA 2
2	\$799,974	NATIONAL INST OF FOOD & AGRICULTURE	Caputo, Vincenzina	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	PARTNERSHIP: MEAL CLICKS: TRACKING CONSUMER PREFERENCES AND DEMAND FOR FOOD CONSUMED AWAY FROM HOME ORDERED ONLINE
3	\$380,000	INTL FOOD POLICY RESEARCH INST	Liverpool-Tasie, Lenis	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	NIGERIA AGRICULTURE POLICY ACTIVITY
4	\$44,083	UNIVERSITY OF MINNESOTA	Lupi, Frank	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	MSU SUBCONTRACT WITH UMN FOR EPA EJ WQ PROJECT EPA-G2022-STAR-D1
5	\$54,711	MICHIGAN DEPT OF NATURAL RESOURCES	Lupi, Frank	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	PERM: FRANK LUPI – ECONOMIC ASPECTS OF WILDLIFE MANAGEMENT
6	\$3,327,655	US AGENCY FOR INTL DEVELOPMENT	Maredia, Mywish	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	AGRICULTURE AND NUTRITION POLICY ACTIVITY TANZANIA ASSOCIATE AWARD
7	\$10,000,000	NATIONAL INST OF FOOD & AGRICULTURE	Ross, Brent	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	BUILDING RESILIENCE TO SHOCKS AND DISRUPTIONS: CREATING SUSTAINABLE AND EQUITABLE LOCAL AND REGIONAL FOOD SYSTEMS IN THE US MIDWEST REGION AND BEYOND
8	\$194,451	CHARLES STEWART MOTT FOUNDATION	Schulz, Mary	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	ONGOING ASSESSMENT OF THE AMERICAN RESCUE PLAN’S IMPACT ON LOCAL GOVERNMENTS FISCAL AND SERVICE SUSTAINABILITY
9	\$55,714	UNIVERSITY OF MICHIGAN	Scorsone, Eric	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CITY OF DETROIT ECONOMIC AND REVENUE FORECASTING PROJECT.

**Gift, Grant and Contract Report**  
**Board of Trustees**  
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	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
10	\$753,863	NATIONAL INST OF HEALTH	Cibelli, Jose	ANIMAL SCIENCE DEPARTMENT ANR	ESTABLISHING AN INTEGRATED PLATFORM FOR DIPLOID GERMPLASM CONSERVATION IN ZEBRAFISH (DANIO RERIO)
11	\$300,000	NATIONAL INST OF FOOD & AGRICULTURE	Kim, Jongkyoo	ANIMAL SCIENCE DEPARTMENT ANR	INVESTIGATING SKELETAL MUSCLE AND ADIPOSE TISSUE RESPONSE TO HEAT STRESS IN BEEF CATTLE
12	\$226,140	BOOZ ALLEN HAMILTON INC	Liao, Wei	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	A ROBUST, ENERGY-POSITIVE WASTEWATER TREATMENT SYSTEM FOR FORWARD OPERATING BASES
13	\$25,500	AGRICULTURAL RESEARCH SERVICE	Liao, Wei	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	STRATEGIES TO IMPROVE ANAEROBIC DIGESTION FOR SMALL TO MEDIUM-SIZED LIVESTOCK OPERATIONS IN THE U.S.
14	\$25,000	MICHIGAN SOYBEAN COMMITTEE	Liu, Yan	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	PRODUCTION OF PROBIOTIC ANIMAL FEED FROM SOYBEAN AND SOYBEAN MEAL
15	\$50,160	AGRICULTURAL RESEARCH SERVICE	Marks, Bradley	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ACQUISITION OF GOODS AND SERVICES
16	\$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
17	\$529,248	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Safferman, Steven	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	DISSOLVED PHOSPHORUS CAPTURE FROM TILE DRAINAGE TO THE WLEB
18	\$92,983	MICHIGAN DEPT OF EDUCATION	Matts, Colleen	DEPARTMENT OF COMMUNITY SUSTAINABILITY	10 CENTS A MEAL EVALUATION 2022-2023
19	\$30,000	MCKNIGHT FOUNDATION	Morrone, Vicki	DEPARTMENT OF COMMUNITY SUSTAINABILITY	STRENGTHENING FARMER-MANAGED SEED SYSTEMS FOR IMPROVED SEED QUALITY AND ACCESS TO PREFERRED VARIETIES IN MALAWI
20	\$39,512	UNIVERSITY OF MICHIGAN	Zwickle, Adam	DEPARTMENT OF COMMUNITY SUSTAINABILITY	A PARTICIPATORY MODELING APPROACH TO COLLABORATIVE WATER GOVERNANCE IN MICHIGAN
21	\$121,404	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Burrack, Hannah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EXPAND MICHIGAN’S PESTICIDE SAFETY EDUCATION PROGRAM: FY2023

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**April 2023**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
22	\$20,605	NATIONAL HONEY BOARD	Huang, Zachary	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EXPLORING JUVENILE HORMONE ANALOGUES AS A CONTROL AGAINST VARROA DESTRUCTOR
23	\$88,248	UNIVERSITY OF MISSOURI	Jiang, Wayne	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SEP22 BI-PESTICIDES WEST AFRICA @ MISSOURI
24	\$39,700	BEE INFORMED PARTNERSHIP INC	Milbrath, Meghan	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MICHIGAN STATE UNIVERSITY/MICHIGAN TECHNICAL TRANSFER TEAM TO MONITOR COLONY HEALTH
25	\$10,000	MORGAN COMPOSTING INC	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MORGAN COMPOSTING - RES. GIFT
26	\$97,862	MICHIGAN ONION COMMITTEE	Szendrei, Zsofia	ENTOMOLOGY AGRICULTURE AND NATURAL RES	ONION THRIPS AND FOLIAR DISEASE MANAGEMENT IN COMMERCIAL ONIONS IN MICHIGAN
27	\$99,993	MICHIGAN CHERRY COMMITTEE	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EVALUATING THE SAMBA WASP AS A PROMISING NEW BIOCONTROL AGENT FOR SPOTTED-WING DROSOPHILA IN MICHIGAN
28	\$121,596	VARIOUS FOUNDATIONS	Belant, Jerrold	FISHERIES AND WILDLIFE	JERRY BELANT RESEARCH GIFTS
29	\$24,546	MICHIGAN DEPT OF NATURAL RESOURCES	Brenden, Travis	FISHERIES AND WILDLIFE	QUANTITATIVE SUPPORT FOR INTER-JURISDICTIONAL FISHERIES MANAGEMENT ON THE GREAT LAKES
30	\$72,763	ASSOC OF FISH & WILDLIFE AGENCIES	Christensen, Sonja	FISHERIES AND WILDLIFE	FISH AND WILDLIFE HEALTH COORDINATION AND STRATEGIC PLANNING
31	\$37,038	MICHIGAN DEPT OF NATURAL RESOURCES	Christensen, Sonja	FISHERIES AND WILDLIFE	INFLUENCE OF DEER HARVEST REGULATIONS ON ANTLERLESS HARVEST, ABUNDANCE, AND SEX AND AGE COMPOSITION: IMPLICATIONS FOR MANAGING DEER IN THE FACE OF CHRONIC WASTING DISEASE
32	\$11,730	GREAT LAKES FISHERY COMMISSION	Hume, John	FISHERIES AND WILDLIFE	SEA LAMPREY AQUACULTURE AND PROCUREMENT INITIATIVE
33	\$53,000	US GEOLOGICAL SURVEY	Infante, Dana	FISHERIES AND WILDLIFE	PREDICTING INVASION HOTSPOTS FOR AQUATIC ORGANISMS ACROSS THE U.S. LANDSCAPE



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**April 2023**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
34	\$98,473	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	PERM SALARY 2022-2025 FOR JOHN HUME
35	\$92,110	MICHIGAN DEPT OF NATURAL RESOURCES	Riley, Shawn	FISHERIES AND WILDLIFE	PERM: SHAWN RILEY - HUMAN DIMENSION CONSIDERATIONS IN WILDLIFE MANAGEMENT
36	\$171,015	MICHIGAN DEPT OF NATURAL RESOURCES	Scribner, Kim	FISHERIES AND WILDLIFE	DEVELOPMENT AND IMPLEMENTATION OF CONSERVATION GENETIC INITIATIVES FOR MICHIGAN INLAND AND GREAT LAKES FISHERIES AND AQUATIC WILDLIFE SPECIES. DR. SCRIBNER PERM SALARY FOR FY2018.
37	\$11,212	MICHIGAN DEPT OF NATURAL RESOURCES	Scribner, Kim	FISHERIES AND WILDLIFE	REHABILITATION OF LAKE STURGEON POPULATIONS IN MICHIGAN
38	\$127,829	UNIVERSITY OF RHODE ISLAND	Tsao, Jean	FISHERIES AND WILDLIFE	INVESTIGATIONS OF LYME SPIROCHETE TRANSMISSION AS A COMPLEX NETWORK OF MICROBIAL AND ECOLOGICAL INTERACTIONS
39	\$143,033	GREAT LAKES FISHERY COMMISSION	Vandergoot, Christopher	FISHERIES AND WILDLIFE	LAKE STURGEON MIGRATION PHENOLOGY IN HURON ERIE CORRIDOR AND SURROUNDING WATERS
40	\$50,507	MICHIGAN DEPT OF NATURAL RESOURCES	Warwick, Alexa	FISHERIES AND WILDLIFE	PERM: ALEXA WARWICK – ENGAGEMENT, OUTREACH, AND HUMAN DIMENSIONS IN WILDLIFE MANAGEMENT
41	\$24,248	MENNEL MILLING CO	Bergholz, Teresa	FOOD SCIENCE AND HUM NUTRITION ANR	EVALUATION OF TEMPERING TREATMENTS TO REDUCE PATHOGENIC BACTERIA ON WHEAT GRAIN
42	\$21,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Bergholz, Teresa	FOOD SCIENCE AND HUM NUTRITION ANR	FY2023 FOOD EMERGENCY RESPONSE NETWORK
43	\$27,004	AGRICULTURAL RESEARCH SERVICE	Mayhew, Emily	FOOD SCIENCE AND HUM NUTRITION ANR	OFF-FLAVORS IN PULSE FLOURS
44	\$125,000	US ENDOWMENT FOR FORESTRY & COMMUNITIES INC	Cooper, Lauren	FORESTRY	ADVANCING BLOCKCHAIN TECHNOLOGIES FOR THE FOREST SECTOR: TRANSPARENCY, LEGALITY, AND CARBON
45	\$60,000	TINKER FOUNDATION INC	Cooper, Lauren	FORESTRY	GOOD FOR FORESTS, GOOD FOR PEOPLE? INSTITUTIONAL ARRANGEMENTS AS FACTORS FOR SCALABLE SUCCESS IN PERU’S CONDITIONAL DIRECT TRANSFERS (TDC) PROGRAM
46	\$158,362	MONTANA STATE UNIV	Randall, Jesse	FORESTRY	SMART FARMING TO IMPROVE MAPLE SYRUP QUALITY CONTROL AND CLEANING PROCEDURES
47	\$809,409	WORLD RESOURCES INSTITUTE	Skole, David	FORESTRY	TERRAMATCH CHAMPIONS PROJECT TRAINING, MAPPING, AND CARBON ESTIMATION
48	\$25,000	UPL NA INC	Chaudhari, Sushila	HORTICULTURE ANR	UNRESTRICTED GIFT IN WEED SCIENCE VEGETABLE RESEARCH

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**April 2023**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
49	\$62,450	PROVEN WINNERS NORTH AMERICA LLC	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE RESEARCH
50	\$17,500	AMER FLORAL ENDOWMENT	Lopez, Roberto	HORTICULTURE ANR	DEVELOPING FOLIAGE STOCK PLANT AND PROPAGATION PROTOCOLS FOR TEMPERATE CLIMATES
51	\$17,500	AMER FLORAL ENDOWMENT	Lopez, Roberto	HORTICULTURE ANR	MANIPULATING LIGHT QUANTITY, QUALITY, AND DURATION TO IMPROVE TIMING, YIELD, AND QUALITY OF GREENHOUSE GROWN CUT FLOWERS
52	\$45,000	WESTRATE GREENHOUSES INC	Runkle, Erik	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF FLORICULTURE RESEARCH
53	\$5,750	WENKE GREENHOUSES	Runkle, Erik	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE RESEARCH
54	\$50,000	MICHIGAN SOYBEAN COMMITTEE	Almenar Rosaleny, Eva	PACKAGING	A NEW COUPLING AGENT FOR PACKAGING OBTAINED FROM THE SOYBEAN MEAL
55	\$115,061	EXXONMOBIL CHEMICAL CO	Auras, Rafael	PACKAGING	IDENTIFICATION OF DATA AVAILABILITY AND GAPS ACROSS THE LIFE CYCLE STAGES OF PLASTICS VS. ALTERNATIVE APPLICATIONS
56	\$70,000	MCKINSEY & CO INC	Daum, Matthew	PACKAGING	NEWPRODUCTSWORKS COLLABORATION
57	\$187,500	US FOREST SERVICE FOREST PRODUCTS LABORATORY	Matuana, Laurent	PACKAGING	WOOD-BASED BIREFINERY PRODUCTS TO SUSTAINABLE PACKAGING INITIATIVE
58	\$280,729	REMADE INST	Rabnawaz, Muhammad	PACKAGING	DIVERTING MIXED POLYOLEFINS FROM MUNICIPAL SOLID WASTE TO FEEDSTOCKS FOR AUTOMOTIVE AND BUILDING APPLICATIONS
59	\$15,000	CORN MARKETING PROGRAM OF MICHIGAN	Burns, Erin	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATING PROPOSED ATRAZINE "PICKLIST" FOR FEASIBILITY IN MICHIGAN
60	\$50,000	CORN MARKETING PROGRAM OF MICHIGAN	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	OPTIMIZING MANAGEMENT OF TAR SPOT
61	\$76,000	IOWA STATE UNIV	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	BIOLOGY AND MANAGEMENT OF SOYBEAN STEM DISEASES
62	\$6,000	MICHIGAN TURFGRASS FOUNDATION	Frank, Kevin	PLANT SOIL AND MICROBIAL SCIENCES	2022 - 2023 TURFGRASS RESEARCH
63	\$96,271	CELERY RESEARCH INC	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	DETERMINING THE ROLE OF THE FUSARIUM SPECIES ASSOCIATED WITH MICHIGAN CELERY "MELTDOWN"

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**April 2023**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
64	\$33,794	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
65	\$86,809	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
66	\$225,000	NATIONAL INST OF FOOD & AGRICULTURE	Klein-Gordon, Jeannie	PLANT SOIL AND MICROBIAL SCIENCES	CHARACTERIZING CURRENT PHYTOPHTHORA BLIGHT PATHOGEN POPULATIONS AND IDENTIFYING EFFECTIVE INTEGRATED MANAGEMENT STRATEGIES
67	\$375,000	OHIO STATE UNIV	Kravchenko, Alexandra	PLANT SOIL AND MICROBIAL SCIENCES	ENHANCED SOIL CARBON FARMING AS A CLIMATE SOLUTION
68	\$6,000	MICHIGAN TURFGRASS FOUNDATION	Merewitz Holm, Emily	PLANT SOIL AND MICROBIAL SCIENCES	2021-22 TURFGRASS RESEARCH
69	\$31,250	ISK BIOSCIENCES	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	RESEARCH GIFT FROM ISK BIOSCIENCES CORPORATION
70	\$97,025	AGRICULTURAL RESEARCH SERVICE	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPMENT OF FUNGICIDE RESISTANCE MONITORING TOOLS FOR BOTRYTIS SPP
71	\$27,500	BAYER CROPSCIENCE	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	GIFT TO SUPPORT RESEARCH PROGRAM
72	\$99,000	MICHIGAN STATE HORTICULTURAL SOCIETY	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	ASSESSING AND MANAGING FUNGICIDE RESISTANCE IN STRAWBERRY AND RASPBERRY
73	\$87,500	LEHIGH AGRICULTURE & BIOLOGICAL SERVICES INC	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	GIFT TO SUPPORT RESEARCH PROGRAM
74	\$6,000	MICHIGAN TURFGRASS FOUNDATION	Nikolai, Thomas	PLANT SOIL AND MICROBIAL SCIENCES	2022-23 TURFGRASS RESEARCH
75	\$22,000	NUFARM AMERICAS INC	Nikolai, Thomas	PLANT SOIL AND MICROBIAL SCIENCES	RESEARCH GIFT FROM NUFARM PRODUCTS

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76	\$84,284	MICHIGAN WHEAT PROGRAM	Pennington, Dennis	PLANT SOIL AND MICROBIAL SCIENCES	MI WHEAT 2021 - 2022 PROGRAM OF WORK
77	\$6,000	MICHIGAN TURFGRASS FOUNDATION	Rogers, John	PLANT SOIL AND MICROBIAL SCIENCES	2022 - 2023 TURFGRASS RESEARCH
78	\$22,861	CORN MARKETING PROGRAM OF MICHIGAN	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	QUANTIFYING PHYSIOLOGICAL CONSEQUENCES AND MANAGEMENT OPTIONS FOR TAR SPOT IN CORN PRODUCTION
79	\$40,000	UNIVERSITY OF WISCONSIN MADISON	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	USING DATA-DRIVEN KNOWLEDGE FOR PROFITABLE SOYBEAN MANAGEMENT SYSTEMS
80	\$10,000	MICHIGAN SUGARBEET ADVANCEMENT	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	WATERHEMP CONTROL IN SUGARBEET
81	\$16,100	UPL NA INC	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	GIFT FOR APPLE RESEARCH AND EDUCATION PROGRAM
82	\$11,500	SUMITOMO CORP	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	RESEARCH GIFT FROM SUMITOMO
83	\$13,800	UPL NA INC	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	RESEARCH GIFT FROM UPL
84	\$25,000	CORN MARKETING PROGRAM OF MICHIGAN	Thompson, Addie	PLANT SOIL AND MICROBIAL SCIENCES	PREDICTING AGRONOMIC PERFORMANCE IN MI GENOMES 2 FIELDS: AN ONGOING COLLABORATION WITH NCGA
85	\$6,000	MICHIGAN TURFGRASS FOUNDATION	Vargas, Joseph	PLANT SOIL AND MICROBIAL SCIENCES	2022 - 2023 TURFGRASS RESEARCH
86	\$10,000	AGRICULTURAL RESEARCH SERVICE	Weebadde, Cholani	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATION OF STRAWBERRY GERMPLASM FOR RESISTANCE TO THE NORTHERN ROOT-KNOT NEMATODE (MELOIDOGYNE HAPLA)
87	\$395,000	NATIONAL SCIENCE FOUNDATION	Durst, Noah	SCHOOL OF PLANNING DES CONSTRUCTION ANR	INFORMALITY AND INEQUALITY IN THE GLOBAL NORTH: REGULATION, NON-COMPLIANCE, AND ENFORCEMENT IN US LAND USE AND HOUSING LAW

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88	\$38,841	NATIONAL SCIENCE FOUNDATION	Mollaoglu, Sinem	SCHOOL OF PLANNING DES CONSTRUCTION ANR	UNDERSTANDING IMPACTS OF SOCIAL NETWORK INTERVENTIONS ON ENGINEERING PROJECT OUTCOMES
89	\$16,000	NATIONAL SCIENCE FOUNDATION	Zhao, Dong	SCHOOL OF PLANNING DES CONSTRUCTION ANR	RESEARCH INITIATION: EXPLORE STUDENT VIRTUAL COLLABORATIONS TO PREPARE FOR FUTURE DIGITAL EDUCATION (REU SUPPLEMENT)
<b>COLLEGE OF ARTS AND LETTERS</b>					
90	\$30,000	PACIFIC NORTHWEST NATIONAL LABORATORY	Cardenas, Edgar	AL RESEARCH AND SCHOLARSHIP	INTEGRATED WASTE MANAGEMENT ORGANIZATIONAL CULTURE DEVELOPMENT
91	\$11,261	BRANDEIS UNIVERSITY	Yares, Laura	RELIGIOUS STUDIES	JEWISH LEARNING THROUGH THE CULTURAL ARTS
<b>ELI BROAD COLLEGE OF BUSINESS</b>					
92	\$19,250	STATLER FOUNDATION	Kim, Seung	THE SCHOOL OF HOSPITALITY BUSINESS	REDEFINING LUXURY FOR TOMORROW'S HOTEL INDUSTRY
<b>COLLEGE OF COMMUNICATION ARTS SCIENCES</b>					
93	\$25,998	NATIONAL SCIENCE FOUNDATION	Lapinski-LaFaive, Maria	COMMUNICATION	DDRIG IN DRMS: EXPLORING HOW ANXIOUS PEOPLE SEEK AND PROCESS INFORMATION ABOUT ENVIRONMENTAL AND HEALTH RISKS
94	\$49,974	CONSUMERS ENERGY	Lapinski-LaFaive, Maria	COMMUNICATION	FINANCIAL INCENTIVES, SOCIAL NORMS, AND ELECTRIC VEHICLE CHARGING BEHAVIOR
95	\$8,245	COMPUTING RESEARCH ASSOC	Hardy, Jean	MEDIA AND INFORMATION	2021 CI FELLOWS SUBAWARD AGREEMENT FOR ANNE JONAS
96	\$10,000	GOOGLE INC	Wyche, Susan	MEDIA AND INFORMATION	EXPLORECSR
<b>COLLEGE OF EDUCATION</b>					
97	\$57,015	BRADY EDUCATION FOUNDATION	Carter Andrews, Dorinda	CED OUTREACH	RACIAL EQUITY IN SCHOOL DISCIPLINE FOR BLACK STUDENTS
98	\$75,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	MOBILE CRISIS RESPONSE CAREGIVER EXPERIENCE SURVEY (MRCRES)

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99	\$24,814	NORTHWESTERN UNIV	Konstantopoulos, Spyros	COUNSELING, EDUC PSYCH & SPEC EDUC	A SUMMER RCT INSTITUTE FOR ESTABLISHED RESEARCHERS
100	\$27,968	US DEPT OF VETERANS AFFAIRS	Lee, Beatrice	COUNSELING, EDUC PSYCH & SPEC EDUC	BATTLE CREEK VA MEDICAL CENTER IPA AGREEMENT WITH BEATRICE LEE
101	\$25,000	EASTERN MICHIGAN UNIV	Rispoli, Kristin	COUNSELING, EDUC PSYCH & SPEC EDUC	EXPANDING INTEGRATED CLINICAL TRAINING TO MEET THE BEHAVIORAL HEALTH NEEDS OF UNDERSERVED AND RURAL POPULATIONS IN MICHIGAN
102	\$6,969,650	MICHIGAN REHABILITATION SERVICES	Sung, Connie	COUNSELING, EDUC PSYCH & SPEC EDUC	DEVELOPMENT AND VALIDATION OF SOCIAL COGNITIVE CAREER THEORY (SCCT) INTERVENTIONS FOR VR CONSUMERS – A CAREER PATHWAY FOR QUALITY EMPLOYMENT AND UPWARD MOBILITY IN STEMM FIELDS: PROJECT STEMM-UP
103	\$35,035	US DEPT OF VETERANS AFFAIRS	Umucu, Emre	COUNSELING, EDUC PSYCH & SPEC EDUC	BATTLE CREEK VA MEDICAL CENTER IPA AGREEMENT WITH EMRE UMUCU
104	\$201,178	SMITHSONIAN INSTITUTION	Yadav, Aman	COUNSELING, EDUC PSYCH & SPEC EDUC	FROM LOW-TECH TO HIGH-TECH: ADDRESSING THE DIGITAL DIVIDE BY HELPING RURAL STUDENTS DEVELOP COMPUTATIONAL THINKING SKILLS ALONG THE TECHNOLOGY SPECTRUM
105	\$699,918	NATIONAL SCIENCE FOUNDATION	Haudek, Kevin	CREATE FOR STEM	COLLABORATIVE RESEARCH: ASSESSING MATHEMATICAL SENSEMAKING IN SCIENCE (AMASS)
106	\$47,726	VARIOUS SCHOOLS	Markle, Barbara	EDUCATION DEAN	K-12 SCHOOL IMPROVEMENT TRAINING
107	\$147,329	TEACH FOR AMERICA	Strunk, Katharine	EDUCATION POLICY CENTER	TEACH FOR AMERICA PROGRAM DEVELOPMENT AND SUPPORT RESEARCH
108	\$10,430	UNIVERSITY OF CALIFORNIA LOS ANGELES	Austin, Ann	EDUCATIONAL ADMINISTRATION	COLLABORATIVE RESEARCH: A CIRTL CHANGE LEADERSHIP DEVELOPMENT PROGRAM: DEVELOPING CHANGE LEADERS TO REVOLUTIONIZE TEACHING AND LEARNING IN HIGHER EDUCATION
109	\$321,291	NASCAR EVENT MANAGEMENT	Ferguson, David	KINESIOLOGY - ED	PHYSIOLOGICAL RESPONSES TO DRIVING A RACE CAR
110	\$147,000	RAINMAKER SOLUTIONS INC	Ferguson, David	KINESIOLOGY - ED	VALIDATION OF THE RAINMAKER SWEAT PREDICTION ALGORITHM.
111	\$145,071	NIKE INC	Harkey, Matthew	KINESIOLOGY - ED	PRODUCTS AND SERVICES
112	\$17,500	NATIONAL ASSOC FOR FAMILY SCHOOL & COMMUNITY ENGAGEMENT	Edwards, Patricia	TEACHER EDUCATION	FACILITATING CRITICAL CONVERSATIONS: A CROSS-INSTITUTIONAL COLLABORATION FOR (RE)ENVISIONING FAMILY ENGAGEMENT

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113	\$377,277	NORTHWESTERN UNIV	Gotwals, Amelia	TEACHER EDUCATION	OPENSIED ELEMENTARY DEVELOPERS CONSORTIUM: SUPPORTING MEANINGFUL THREE-DIMENSIONAL SCIENCE AND LITERACY FOR K-5 CLASSROOMS
114	\$90,156	STATE UNIV OF NEW YORK COLLEGE AT BUFFALO	Tortorelli, Laura	TEACHER EDUCATION	READ STOP WRITE: DEVELOPMENT OF A MULTICOMPONENT INTERVENTION IN GRADES 4-5
<b>COLLEGE OF ENGINEERING</b>					
115	\$476,975	FORD MOTOR CO	Boeman, Raymond	CHEMICAL ENGINEERING AND MATERIALS SCI	DOE-FORD-SURF: MULTI-FUNCTIONAL SMART STRUCTURES FOR SMART VEHICLES
116	\$307,044	REMADE INST	Dorgan, John	CHEMICAL ENGINEERING AND MATERIALS SCI	COMBICLEAN: AN OPEN ACCESS DATABASE FOR FACILITATING CONTAMINANT REMOVAL FROM RECYCLED PLASTICS
117	\$225,000	REMADE INST	Dorgan, John	CHEMICAL ENGINEERING AND MATERIALS SCI	UPCYCLING POLYETHYLENE WASTE INTO VALUE-ADDED NYLONS FOR SUSTAINABLE AUTOMOTIVE MANUFACTURING
118	\$1,260,376	UNIVERSITY OF MICHIGAN	Fang, Chengcheng	CHEMICAL ENGINEERING AND MATERIALS SCI	DEVELOP LIGHTWEIGHT, LOW-TEMPERATURE, AND SAFE BATTERIES FOR AUTONOMOUS ELECTRIC VEHICLES
119	\$262,511	MASSACHUSETTS GENERAL HOSPITAL	Gilad, Assaf	CHEMICAL ENGINEERING AND MATERIALS SCI	ARTIFICIAL INTELLIGENCE BOOSTED EVOLUTION AND DETECTION OF GENETICALLY ENCODED REPORTERS FOR IN VIVO IMAGING
120	\$249,978	TOYOTA MOTOR CORP	Lunt, Richard	CHEMICAL ENGINEERING AND MATERIALS SCI	HIGHLY EFFICIENT VISIBLY TRANSPARENT SOLAR CELL MODULE FOR BATTERY ELECTRIC VEHICLE DEPLOYMENT
121	\$55,000	RESEARCH CORP FOR SCIENCE ADVANCEMENT	Mendoza Cortes, Jose	CHEMICAL ENGINEERING AND MATERIALS SCI	ROBUST SCALABLE MULTIFUNCTIONAL ELECTRODE FOR CO2 REDUCTION AND C-C COUPLING IN SEAWATER
122	\$40,000	SLIPSTREAM GROUP INC	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	TECHNOLOGY ANALYSIS AND VALIDATION OF INTEGRATING CONNECTED LIGHTING, AUTOMATED SHADES, AND INTELLIGENT ENERGY STORAGE TO PROVIDE GRID-INTERACTIVE FL

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123	\$25,000	US DEPT OF ENERGY	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	INDUSTRIAL ASSESSMENT CENTER AT MICHIGAN STATE UNIVERSITY
124	\$234,140	MICHIGAN DEPT OF TRANSPORTATION	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	EFFICACY OF SPEED WARNING TECHNOLOGIES
125	\$200,000	ENGINEERING AND SOFTWARE CONSULTANTS LLC (ESC)	Kutay, Muhammed	CIVIL AND ENVIRONMENTAL ENGINEERING	ACCELERATING PERFORMANCE TESTING USING THE ASPHALT MIXTURE PERFORMANCE TESTER (AMPT) EQUIPMENT
126	\$406,415	UNIVERSITY OF MICHIGAN	Lajnef, Nizar	CIVIL AND ENVIRONMENTAL ENGINEERING	SELF-POWERED WIRELESS SENSING PLATFORM FOR VEHICLE ATTITUDE CONTROL
127	\$54,666	MICHIGAN TECHNOLOGICAL UNIVERSITY	Lu, Weiyi	CIVIL AND ENVIRONMENTAL ENGINEERING	GAS-PROMOTED FULLY REUSABLE LIQUID NANOFOAM LINER FOR LINEAR AND ROTATIONAL ENERGY MITIGATION
128	\$367,644	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
129	\$190,000	MICHIGAN DEPT OF TRANSPORTATION	Zockaie, Ali	CIVIL AND ENVIRONMENTAL ENGINEERING	WINTER SEVERITY INDEX WITH WINTER MAINTENANCE EXPENSES AND MATERIAL USAGE
130	\$65,522	HELICOID INDUSTRIES	Drzal, Lawrence	COMPOSITE MATERIALS AND STRUCTURES CTR	DOE-SBIR-MULTISCALE BIOINSPIRED ENHANCEMENT OF NATURAL-FIBER COMPOSITES FOR GREEN VEHICLES
131	\$13,000	BRAINWAVE SCIENCE	Ravishankar, Saiprasad	COMPUTATIONAL MATH SCI AND ENGR EGR	USING IMAGING AND DATA ANALYSIS TO UNDERSTAND THE EFFECTS OF MEDITATION AND ITS BENEFITS FOR HEALTH
132	\$95,000	JP MORGAN CHASE & CO	Ghassemi, Mohammad	COMPUTER SCIENCE AND ENGINEERING	THE EVOLUTION OF PRIVATE CAPITAL MODELED AS A GRAPH OF INVESTMENTS
133	\$117,908	OFFICE OF NAVAL RESEARCH	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	DEEP LEARNING: INTEGRATING DOMAIN KNOWLEDGE AND INTERPRETING THE NETWORK DECISIONS
134	\$52,606	ROCHESTER INST OF TECHNOLOGY	Kong, Yu	COMPUTER SCIENCE AND ENGINEERING	BAITBUSTER 2.0: KEEPING USERS AWAY FROM CLICKBAIT



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135	\$83,135	ROCHESTER INST OF TECHNOLOGY	Kong, Yu	COMPUTER SCIENCE AND ENGINEERING	DEFAKE: DEPLOYING A TOOL FOR ROBUST DEEPPFAKE DETECTION
136	\$171,564	DSO NATIONAL LABORATORIES	Liu, Sijia	COMPUTER SCIENCE AND ENGINEERING	DATA CLEANSE BY SELF-SUPERVISION TO MITIGATE TOXICITY BIAS
137	\$1,023,554	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	PHYSICS-DRIVEN MODELING AND LEARNING FOR PERSON RECOGNITION AT A DISTANCE AND ALTITUDE
138	\$55,000	ROBERT BOSCH LLC RESEARCH & TECHNOLOGY CENTER	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	COMPUTER VISION RESEARCH
139	\$46,632	PENNSYLVANIA STATE UNIV	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	TOWARD INTERPRETABLE AND STABLE GRAPH NEURAL NETWORKS
140	\$396,476	NATIONAL SCIENCE FOUNDATION	Bopardikar, Shaunak	ELECTRICAL AND COMPUTER ENGINEERING	CAREER: CHARACTERIZING ATTACK RESILIENCE OF MULTI-AGENT DYNAMICAL SYSTEMS WITH APPLICATIONS TO CONNECTED AUTONOMOUS VEHICLES
141	\$243,898	NATIONAL SCIENCE FOUNDATION	Chahal, Premjeet	ELECTRICAL AND COMPUTER ENGINEERING	NSF - IPA (PD ROTATOR POSITION IN NSF/ECCS)
142	\$118,500	ASSOC OF AMER RAILROADS	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	INTEGRATED MULTI-WAVE HYBRID ELECTROMAGNETIC AND ULTRASONIC SENSING FOR REAL-TIME IN-MOTION RAILS FATIGUE AND FRACTURES DETECTION
143	\$869,015	UNIVERSITY OF MICHIGAN	Foster, Shanelle	ELECTRICAL AND COMPUTER ENGINEERING	LIGHTWEIGHT ELECTRIC POWERTRAIN WITH HIGH-SPEED MACHINES AND DRIVES
144	\$150,000	OFFICE OF NAVAL RESEARCH	Han, Ming	ELECTRICAL AND COMPUTER ENGINEERING	ONR WHITE PAPER TRACKING NUMBER 22-000001728: FIBER-OPTIC ACOUSTIC EMISSION SENSOR SYSTEMS WITH SINGLE-SIDEBAND LASER INTERROGATION
145	\$161,954	OFFICE OF NAVAL RESEARCH	Han, Ming	ELECTRICAL AND COMPUTER ENGINEERING	OPTICAL FIBER-COIL SENSORS FOR STRUCTURAL HEALTH MONITORING (TRACKING ID 20-000001103)
146	\$56,963	APPLIED RESEARCH ASSOCIATES INC	Kempel, Leo	ELECTRICAL AND COMPUTER ENGINEERING	RF ANALYSIS AND VALIDATION ENGINEERING SOFTWARE (RAVENS)

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147	\$174,838	OFFICE OF NAVAL RESEARCH	Kiumarsi, Bahare	ELECTRICAL AND COMPUTER ENGINEERING	TOWARDS HIGH-CONFIDENCE REINFORCEMENT LEARNING ALGORITHMS FOR SAFETY-CRITICAL SYSTEMS VIA DUAL PROCESS THEORY OF REASONING
148	\$51,778	FRAUNHOFER USA	Li, Wen	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER CENTER RENEWAL
149	\$749,996	NATIONAL SCIENCE FOUNDATION	Mahapatra, Nihar	ELECTRICAL AND COMPUTER ENGINEERING	NSF CONVERGENCE ACCELERATOR TRACK H: CONVERGENT, HUMAN-CENTERED DESIGN FOR MAKING VOICE-ACTIVATED AI ACCESSIBLE AND FAIR TO PEOPLE WHO STUTTER
150	\$15,637	TOYOTA MOTOR CORP	Nicley, Shannon	ELECTRICAL AND COMPUTER ENGINEERING	EXPLORING OPTICALLY ACTIVE DEFECT CENTERS IN TWO-DIMENSIONAL MATERIALS FOR QUANTUM SENSING
151	\$48,666	NORTHROP GRUMMAN CORP	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	ELECTRONICS FOR G-BAND ARRAYS - NG COLLABORATION
152	\$75,000	TEXAS INSTRUMENTS INC	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	MEMBERSHIP FOR SPARTE: SPACE ELECTRONICS CENTER
153	\$400,000	HONEYWELL CORP	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	MSU RADAR CONSORTIUM (FY23)
154	\$424,600	MICHIGAN ECONOMIC DEVELOPMENT CORP	Sepulveda Alancastro, Nelson	ELECTRICAL AND COMPUTER ENGINEERING	EMOBILITY MSU SCHOLARS
155	\$29,822	PRINCETON UNIV	Srivastava, Vaibhav	ELECTRICAL AND COMPUTER ENGINEERING	RESILIENCE AND ROBUSTNESS IN ECOLOGICAL DISTRIBUTED DECISION-MAKING DYNAMICS
156	\$125,000	ELECTRIC POWER RESEARCH INST	Udpa, Lalita	ELECTRICAL AND COMPUTER ENGINEERING	SIMULATION MODEL FOR EDDY CURRENT SC TUBE INSPECTION
157	\$43,990	NATIONAL INST OF HEALTH	Aguirre, Aitor	INSTITUTE FOR QUANTITATIVE HEALTH	OXYLIPIN SIGNALING IN CONGENITAL HEART DISEASE
158	\$612,857	NATIONAL INST OF HEALTH	Kim, Taeho	INSTITUTE FOR QUANTITATIVE HEALTH	DEVELOPMENT OF ANTI-INFLAMMATORY NANODRUG FOR ENDOMETRIOSIS TREATMENT

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159	\$12,781	UNIVERSITY OF MISSOURI	Kim, Taeho	INSTITUTE FOR QUANTITATIVE HEALTH	EPIGENETIC REGULATION OF RECEPTIVE ENDOMETRIUM
160	\$538,076	PURDUE UNIV	Li, Jinxing	INSTITUTE FOR QUANTITATIVE HEALTH	STRONG AND CO2 CONSUMING LIVING WOOD FOR BUILDINGS
161	\$576,710	NATIONAL INST OF HEALTH	Li, Wen	INSTITUTE FOR QUANTITATIVE HEALTH	MICROFABRICATED ALL-DIAMOND MICROELECTRODE ARRAYS FOR NEUROTRANSMITTER SENSING AND EXTRACELLULAR RECORDING
162	\$1,199,999	NATIONAL SCIENCE FOUNDATION	Li, Wen	INSTITUTE FOR QUANTITATIVE HEALTH	SITS: WIRELESS, SUSTAINABLE, AND AUTOMATED SENSORY SYSTEM FOR IN-SITU MONITORING OF SOIL HEAVY METALS
163	\$34,703	NATIONAL INST OF HEALTH	Purcell, Erin	INSTITUTE FOR QUANTITATIVE HEALTH	STRUCTURAL AND FUNCTIONAL PLASTICITY SURROUNDING IMPLANTED NEUROPROSTHESES
164	\$475,928	NATIONAL SCIENCE FOUNDATION	Allison, Patton	MECHANICAL ENGINEERING	CAREER: EXTINCTION PHENOMENA IN TURBULENT LIQUID DUAL-FUEL FLAMES
165	\$68,039	US DEPT OF ENERGY	Anthony, Rebecca	MECHANICAL ENGINEERING	COMPREHENSIVE DIAGNOSTICS FOR BOND-SELECTIVE NANOCARBON GROWTH IN PLASMAS
166	\$57,500	MICHIGAN TECHNOLOGICAL UNIVERSITY	Chung, Haseung	MECHANICAL ENGINEERING	INNOVATIVE METAL ADDITIVE MANUFACTURING PROCESS WITH HIGH PRINTING SPEED AND LARGE BUILDING PLATFORM
167	\$468,599	UNIVERSITY OF MICHIGAN	Li, Zhaojian	MECHANICAL ENGINEERING	INTEGRATED DESIGN AND EFFICIENT SAFE CONTROL FOR TERRAIN-ADAPTIVE ULTRA-LIGHTWEIGHT VEHICLES
168	\$68,500	LOS ALAMOS NATL LABORATORY	Mejia, Ricardo	MECHANICAL ENGINEERING	TURBULENT SHEAR LAYER WITH VARIABLE VISCOSITY
169	\$70,000	THE GENEVA FOUNDATION	Mejia, Ricardo	MECHANICAL ENGINEERING	LINKING BRAIN DEFORMATION TO ENVIRONMENTAL SENSOR DATA VIA VALIDATING A GYRATED HUMAN HEAD PHANTOM UNDER IMPULSIVE LOADING
170	\$75,000	OFFICE OF NAVAL RESEARCH	Nadimpalli, Siva	MECHANICAL ENGINEERING	DEVELOPMENT OF STRAIN-BASED HEALTH MONITORING AND THERMAL RUNAWAY DETECTION METHOD
171	\$75,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Wichman, Indrek	MECHANICAL ENGINEERING	DEVELOPING THE NARROW CHANNEL APPARATUS AS A NASA STANDARD MATERIAL FLAMMABILITY TEST
172	\$8,000	NATIONAL SCIENCE FOUNDATION	Yuan, Junlin	MECHANICAL ENGINEERING	REU SUPPLEMENT: MODELING AND ANALYSIS OF FLUID-STRUCTURE INTERACTION IN BIOMIMETIC UNDULATORY SWIMMING
<b>COLLEGE OF HUMAN MEDICINE</b>					

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173	\$55,000	STEPHANIE H. & DAVID A. SPINA FAMILY FOUNDATION	Custack, Amy	CS MOTT DEPARTMENT OF PUBLIC HEALTH	EXPANSION OF IN-PERSON AND VIRTUAL HEALTHY COOKING PROGRAMS FOR YOUTH IN FLINT, MICHIGAN
174	\$124,567	NATIONAL INST ON MINORITY HEALTH & HEALTH DISPARITIES	Key, Kent	CS MOTT DEPARTMENT OF PUBLIC HEALTH	FAMILY HEALTH HISTORIES: CREATING A CULTURALLY TAILORED TOOL TO REDUCE HEALTH DISPARITIES IN THE AFRICAN AMERICAN COMMUNITY
175	\$32,602	OAKLAND UNIV	Lucas, Todd	CS MOTT DEPARTMENT OF PUBLIC HEALTH	COLORECTAL SCREENING FEAR-REDUCTION AND RACIALLY-TARGETED NORM MESSAGING ENTREATIES TO INCREASE COLORECTAL CANCER SCREENING RATES AMONG AFRICAN AMERICANS
176	\$79,323	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Ondersma, Steven	CS MOTT DEPARTMENT OF PUBLIC HEALTH	MICHIGAN STATE OPIOID RESPONSE 2 PROJECT "HT2 TECHNOLOGY PROPOSAL (HT2 MI) SAMHSA STATE OPIOID RESPONSE
177	\$316,479	NATIONAL INST OF HEALTH	Ondersma, Steven	CS MOTT DEPARTMENT OF PUBLIC HEALTH	ACCELERATING COLLABORATIVE, CUMULATIVE, AND OPEN INTERVENTION SCIENCE WITH AN E-INTERVENTION AUTHORIZING PLATFORM
178	\$24,235	JOHNS HOPKINS UNIV	Sadler, Richard	CS MOTT DEPARTMENT OF PUBLIC HEALTH	AN EXAMINATION OF THE JOINT CONTRIBUTIONS OF SOCIOECONOMIC DISADVANTAGE, GENETICS, AND COVID-19 ON THE DEVELOPMENT OF DELAY DISCOUNTING AND SUBSTANCE USE ACROSS ADOLESCENCE
179	\$10,000	NATIONAL MINORITY QUALITY FORUM INC	Uphold, Heatherlun	CS MOTT DEPARTMENT OF PUBLIC HEALTH	FLINT COMMUNITY CANCER CONSORTIUM (FC3)
180	\$868,584	NATIONAL INST OF HEALTH	Chen, Honglei	EPIDEMIOLOGY AND BIOSTATISTICS	PESTICIDES, OLFACTION, AND NEURODEGENERATION AMONG US FARMERS
181	\$543,100	NATIONAL INST OF HEALTH	Chen, Honglei	EPIDEMIOLOGY AND BIOSTATISTICS	POOR SENSE OF SMELL AND THE HEALTH OF OLDER ADULTS
182	\$120,795	NATIONAL INST OF HEALTH	Paneth, Nigel	EPIDEMIOLOGY AND BIOSTATISTICS	PRENATAL CANNABIS USE: PREVALENCE, CHARACTERISTICS, AND OUTCOMES
183	\$11,219	RUTGERS UNIVERSITY	Arora, Ripla	INSTITUTE FOR QUANTITATIVE HEALTH	INNATE IMMUNE MECHANISMS AT THE MATERNAL-FETAL INTERFACE IN NORMAL AND SUPEROVULATORY PREGNANCY
184	\$50,000	BIOCODEX MICROBIOTA FOUNDATION	Dubey, Harikesh	INSTITUTE FOR QUANTITATIVE HEALTH	DOES MICROBIOME COMPOSITION MODERATE CNS FUNCTION IN A VPA-INDUCED MOUSE MODEL OF AUTISM?

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185	\$433,718	NATIONAL INST OF HEALTH	Gu, Bin	INSTITUTE FOR QUANTITATIVE HEALTH	DEVELOPING A CLINICALLY-RELEVANT GENETICALLY ENGINEERED MOUSE MODEL FOR NUT CARCINOMA
186	\$75,014	NATIONAL INST OF HEALTH	Hardy, Jonathan	INSTITUTE FOR QUANTITATIVE HEALTH	NOVEL ANTIBIOFILM TREATMENTS FOR PSEUDOMONAS AERUGINOSA INFECTION
187	\$49,880	US DEPT OF VETERANS AFFAIRS	Chang, Chi	MEDICAL EDUCATION RESEARCH DEVELOPMENT	BATTLE CREEK VA MEDICAL CENTER IPA AGREEMENT WITH CHI CHANG
188	\$44,615	UNIVERSITY OF MISSOURI	Arora, Ripa	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	THE ROLE OF CHOLESTEROL BIOSYNTHESIS IN METASTATIC AND RECURRENT ENDOMETRIAL CANCER
189	\$39,059	NATIONAL INST OF HEALTH	Fazleabas, Asgerally	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	CYTOSKELETAL REGULATION OF THE HIPPO AND NOTCH1 SIGNALING PATHWAYS IN ENDOMETRIAL STROMAL CELL DECIDUALIZATION AND ENDOMETRIOSIS
190	\$558,214	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Fazleabas, Asgerally	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	REGULATION OF ENDOMETRIOTIC LESION DEVELOPMENT BY NOTCH1
191	\$11,782	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Jeong, Jaewook	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	SIRT1 AS A THERAPEUTIC TARGET IN ENDOMETRIOSIS
192	\$20,694	SPECTRUM HEALTH SYSTEM	Meghea, Cristian	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	ALLIANCE FOR INNOVATION ON MATERNAL HEALTH COMMUNITY CARE INITIATIVE (AIM CCI)
193	\$367,190	MICHIGAN HEALTH ENDOWMENT FUND	Roman, Leeanne	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	ADDRESSING DISPARITIES IN MATERNAL MORTALITY AND SEVERE MORBIDITY FOR MEDICAID-INSURED PREGNANT/POSTPARTUM INDIVIDUALS OF COLOR: A MULTILEVEL, COMMUNITY-CLINICAL INTERVENTION FOR HYPERTENSION DISORDER
194	\$716,202	NATIONAL INST OF HEALTH	Bachmann, Andre	PEDIATRICS AND HUMAN DEVELOPMENT	LEVERAGING MODULATION OF POLYAMINE METABOLISM FOR THERAPEUTIC ADVANTAGE IN GENETIC DISORDERS

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195	\$420,807	NATIONAL INST OF HEALTH	Chen, Bin	PEDIATRICS AND HUMAN DEVELOPMENT	VIRTUAL COMPOUND SCREENING USING GENE EXPRESSION
196	\$91,562	NATIONAL CANCER INST	Vaughan, Robert	PEDIATRICS AND HUMAN DEVELOPMENT	CHARACTERIZING GENETIC MODIFIERS IN TUMOR BURDEN OF TUBEROUS SCLEROSIS COMPLEX
197	\$408,011	NATIONAL INST OF HEALTH	Mahmoudi, Morteza	RADIOLOGY HUMAN MEDICINE	A NANOSTRUCTURED SKIN PATCH TO HEAL CHRONIC WOUNDS
198	\$181,084	NATIONAL CANCER INST	Moore, Anna	RADIOLOGY HUMAN MEDICINE	NOVEL PROSTATE CANCER THERAPY BASED ON M-ACONITASE INHIBITION
199	\$31,121	UNIVERSITY OF MICHIGAN	Scheel, Norman	RADIOLOGY HUMAN MEDICINE	DIMENSIONAL COMPLEXITY: A NEW MARKER FOR COGNITIVE STATES AND MCI/AD PROGRESSION
200	\$47,359	NATIONAL INST OF HEALTH	Sempere, Lorenzo	RADIOLOGY HUMAN MEDICINE	IMAGE-GUIDED INTRADUCTAL ABLATIVE PROCEDURE FOR PRIMARY PREVENTION OF BREAST CANCER
201	\$44,501	NATIONAL INST OF HEALTH	Shapiro, Erik	RADIOLOGY HUMAN MEDICINE	EVALUATION OF TANTALUM OXIDE NANOPARTICLES FOR IN VIVO X-RAY COMPUTED TOMOGRAPHY EVALUATION OF IMPLANTABLE BIOMATERIALS
202	\$27,878	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY23 TRANSLATING EVIDENCE INTO DEMONSTRATIONS
203	\$29,706	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY23 COMPREHENSIVE QUALITY STRATEGY
204	\$10,288	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY23 HEALTHY MICHIGAN PLAN
205	\$32,463	NATIONAL INST OF HEALTH	Collier, Kathy	TRANSLATIONAL NEUROSCIENCE	IMPACT OF DYSFUNCTIONAL BDNF ON DOPAMINE TERMINAL REMODELING IN THE PARKINSONIAN STRIATUM
206	\$64,808	UNIVERSITY OF ARIZONA	Collier, Kathy	TRANSLATIONAL NEUROSCIENCE	MECHANISMS OF LOW-DOSE KETAMINE TREATMENT FOR PARKINSON'S DISEASE
207	\$458,260	NATIONAL INST OF HEALTH	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	CENTRAL NORADRENERGIC MECHANISMS OF CEREBROVASCULAR PATHOLOGY IN ALZHEIMER'S DISEASE
208	\$60,331	COLUMBIA UNIV	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	THE ROLE OF SUMOYLATION IN TAU-MEDIATED PATHOLOGY
209	\$148,814	RUTGERS UNIVERSITY	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	DIELDRIIN-INDUCED DIFFERENTIAL GENE METHYLATION AND PARKINSONIAN TOXICITY

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210	\$527,028	NATIONAL INST OF HEALTH	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	TAU-MEDIATED REGULATION AND DYSREGULATION OF PROTEIN PHOSPHATASE 1
<b>LYMAN BRIGGS COLLEGE</b>					
211	\$50,000	BURROUGHS WELLCOME FUND	Masani, Shahnaz	LYMAN BRIGGS DEAN	YOURE(IN)CHARJ: A YOUTH-LED INTERDISCIPLINARY RESEARCH EXPERIENCE FOR CLIMATE & HEALTH AND RACIAL JUSTICE
<b>COLLEGE OF MUSIC</b>					
212	\$66,605	CHILDRENS HOSPITAL OF MICHIGAN FOUNDATION	Johnson, Kristopher	COMMUNITY MUSIC SCHOOL	ENHANCING THE EMOTIONAL, PHYSICAL, SOCIAL AND COGNITIVE WELL-BEING OF PEDIATRIC PATIENTS AND CAREGIVERS THROUGH MUSIC THERAPY
213	\$15,000	KRESGE FOUNDATION	Johnson, Kristopher	COMMUNITY MUSIC SCHOOL	DETROIT ARTS SUPPORT PROJECT FOR GENERAL OPERATING COSTS
<b>COLLEGE OF NATURAL SCIENCE</b>					
214	\$395,991	NATIONAL INST OF HEALTH	Lunt, Sophia	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	EXAMINING PHGDH-MEDIATED ACTIVATION OF SIALIC ACID METABOLISM TO DRIVE TRIPLE-NEGATIVE BREAST CANCER METASTASIS
215	\$516,717	NATIONAL INST OF HEALTH	Ralston, Amy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	SIGNALING-REGULATED ESTABLISHMENT OF PLURIPOTENCY IN VIVO
216	\$341,376	NATIONAL INST OF HEALTH	Zacharewski, Timothy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	AHR-DEPENDENT PKM2 REGULATION IN NAFLD PROGRESSION
217	\$50,000	OFFICE OF NAVAL RESEARCH	Harel, Elad	CHEMISTRY	ULTRASENSITIVE AND RAPID MULTI-DIMENSIONAL SPECTRAL SENSING AT STANDOFF DISTANCES BY NON-UNIFORM SAMPLING AND STATISTICAL RECONSTRUCTION
218	\$309,749	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Hong, Heedeok	CHEMISTRY	FOLDING AND DEGRADATION OF MEMBRANE PROTEINS
219	\$302,450	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	ENABLING SYNTHESIS AND BIOLOGICAL STUDIES OF HOMOGENEOUS HEPARAN SULFATE AND CHONDROITIN SULFATE GLYCO-POLYPEPTIDES AND PROTEOGLYCANS
220	\$44,209	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	ENGINEERING BACTERIOPHAGE Q CONJUGATES WITH TUMOR ASSOCIATED CARBOHYDRATE ANTIGENS AS MULTI-COMPONENT ANTI-CANCER VACCINES
221	\$243,276	US DEPT OF ENERGY	McCusker, James	CHEMISTRY	SYNTHESIS AND SPECTROSCOPY OF TRANSITION METAL-BASED CHROMOPHORES: TAILORING FIRST-ROW PHOTOPHYSICS FOR APPLICATIONS IN SOLAR ENERGY CONVERSION
222	\$365,244	NATIONAL INST OF HEALTH	Sun, Liangliang	CHEMISTRY	QUANTITATIVE TOP-DOWN PROTEOMICS OF HUMAN COLORECTAL CANCER CELLS AND TUMORS

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223	\$150,000	HONEYWELL CORP	Swain, Greg	CHEMISTRY	METAL ADDITIVE MANUFACTURING SURFACES
224	\$100,000	LAWRENCE LIVERMORE NATIONAL LABORATORY	Appelo, Daniel	COMPUTATIONAL MATH SCI AND ENGR CNS	TEAM: OPTIMIZING THE QUANTUM COMPILER FOR NOISE RESILIENCE
225	\$25,947	SPACE TELESCOPE SCIENCE INST	OShea, Brian	COMPUTATIONAL MATH SCI AND ENGR CNS	GAS AND GALAXIES THROUGH COSMIC TIME WITH ENZO-E
226	\$162,012	NATIONAL SCIENCE FOUNDATION	Yang, Yang	COMPUTATIONAL MATH SCI AND ENGR CNS	CAREER: SYNERGISTIC INVERSE WAVE ANALYSIS AND COMPUTATION
227	\$102,789	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Reimers, Mark	INSTITUTE FOR QUANTITATIVE HEALTH	HIGH RESOLUTION IMAGING OF CORTICAL ACTIVITY DURING COGNITIVE FUNCTION
228	\$125,510	UNIVERSITY OF CALIFORNIA MERCED	Heath-Heckman, Elizabeth	INTEGRATIVE BIOLOGY	BII: INSITE: INSTITUTE FOR SYMBIOTIC INTERACTIONS, TEACHING, AND EDUCATION IN THE FACE OF A CHANGING CLIMATE
229	\$51,022	NATIONAL SCIENCE FOUNDATION	Holekamp, Kay	INTEGRATIVE BIOLOGY	IOS: SELECTION FOR GENERAL INTELLIGENCE BY NOVEL ENVIRONMENTS
230	\$649,942	US FISH & WILDLIFE SERVICE	Meek, Mariah	INTEGRATIVE BIOLOGY	ASSESSING POTENTIAL GENOMIC IMPACTS OF SPLAKE ON LAKE TROUT AND BROOK TROUT IN LAKE SUPERIOR
231	\$9,440	MINNESOTA DEPT OF NATURAL RESOURCES	Meek, Mariah	INTEGRATIVE BIOLOGY	MSU-SNP BROOK TROUT TESTING
232	\$10,000	PACIFIC NORTHWEST NATIONAL LABORATORY	Moran, James	INTEGRATIVE BIOLOGY	MORAN/PNNL JOINT APPOINTMENT AGREEMENT
233	\$298,705	UNIVERSITY OF MINNESOTA	Fitzpatrick, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	LEVERAGING GENOMIC DATA TO INCREASE ADAPTIVE POTENTIAL AND INFORM MANAGEMENT ACTION IN THE ENDANGERED MITCHELL'S SATYR BUTTERFLY UNDER CLIMATE CHANGE
234	\$149,000	US FISH & WILDLIFE SERVICE	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	POWESHIEK SKIPPERLING BUTTERFLY CAPTIVE REARING
235	\$68,095	NATIONAL SCIENCE FOUNDATION	Matetski, Konstantin	MATHEMATICS	THE KARDAR-PARISI-ZHANG (KPZ) UNIVERSALITY OF RANDOM GROWING INTERFACES
236	\$8,400	SIMONS FOUNDATION	Waldron, Joseph	MATHEMATICS	BIRATIONAL GEOMETRY IN POSITIVE AND MIXED CHARACTERISTIC
237	\$365,990	NATIONAL INST OF HEALTH	O'Halloran, Thomas	MICROBIOLOGY MOLECULAR GENETICS CNS	REGULATORY ROLES OF ZINC FLUXES IN METALLOPROTEIN OCCUPANCY AND CELL CYCLE PROGRESSION



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238	\$155,242	UNIVERSITY OF WASHINGTON	Schutte, Brian	MICROBIOLOGY MOLECULAR GENETICS CNS	DISSECTING THE TRANSCRIPTIONAL NETWORK GOVERNING DIFFERENTIATION OF PERIDERM
239	\$573,051	NATIONAL INST OF HEALTH	Waters, Christopher	MICROBIOLOGY MOLECULAR GENETICS CNS	THE CONTRIBUTION OF NOVEL CYTIDINE DEAMINASE REGULATORY SYSTEMS TO BACTERIAL EVOLUTION
240	\$117,904	NATIONAL INST OF HEALTH	Waters, Christopher	MICROBIOLOGY MOLECULAR GENETICS CNS	EXPLORING CYCLIC DI-NUCLEOTIDE SIGNALING ACROSS THE TREE OF LIFE
241	\$472,124	NATIONAL INST OF HEALTH	Waters, Christopher	MICROBIOLOGY MOLECULAR GENETICS CNS	EXPLORING CYCLIC DI-NUCLEOTIDE SIGNALING ACROSS THE TREE OF LIFE
242	\$200,000	US DEPT OF ENERGY	Berz, Martin	PHYSICS ASTRONOMY	ADVANCED TRANSFER MAP METHODS FOR PARTICLE BEAM DYNAMICS: THEORY, APPLICATIONS, AND EDUCATION
243	\$50,000	STONY BROOK UNIVERSITY	Fisher, Wade	PHYSICS ASTRONOMY	U.S. ATLAS OPERATIONS: DISCOVERY AND MEASUREMENT AT THE ENERGY FRONTIER
244	\$214,150	NATIONAL SCIENCE FOUNDATION	Grant, Darren	PHYSICS ASTRONOMY	NSF IPA AGREEMENT FOR DARREN GRANT
245	\$211,050	UNIVERSITY OF MICHIGAN	Hayden, Daniel	PHYSICS ASTRONOMY	U.S. ATLAS OPERATIONS: DISCOVERY AND MEASUREMENT AT THE ENERGY FRONTIER
246	\$215,000	US DEPT OF ENERGY	Mahn, Kendall	PHYSICS ASTRONOMY	IMPROVED NEUTRINO OSCILLATION MEASUREMENTS USING MULTIPLE NEUTRINO ENERGY SPECTRA
247	\$113,959	UNIVERSITY OF CHICAGO	Whitehorn, Nathan	PHYSICS ASTRONOMY	SOUTH POLE TELESCOPE OPERATIONS AND DATA PROJECTS
248	\$128,491	UNIVERSITY OF ALABAMA AT BIRMINGHAM	Busik, Julia	PHYSIOLOGY NATURAL SCIENCE	CHOLESTEROL HOMEOSTASIS IN PATHOGENESIS OF DR
249	\$384,209	NATIONAL INST OF HEALTH	Crandall, Shane	PHYSIOLOGY NATURAL SCIENCE	DYNAMIC PROPERTIES OF NEURAL CIRCUITS IN THE FOREBRAIN
250	\$383,476	NATIONAL INST OF HEALTH	Leininger, Gina	PHYSIOLOGY NATURAL SCIENCE	ROLE OF LATERAL HYPOTHALAMIC NEUROTENSIN NEURONS IN ENERGY BALANCE
251	\$46,222	NATIONAL INST OF HEALTH	Wang, Hongbing	PHYSIOLOGY NATURAL SCIENCE	MECHANISM UNDERLYING COGNITIVE AND SYNAPTIC FLEXIBILITY

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252	\$449,182	NATIONAL INST OF HEALTH	Wang, Hongbing	PHYSIOLOGY NATURAL SCIENCE	NONCONVENTIONAL ROLE OF ADCY IN GQ-MEDIATED NEURONAL SIGNALING AND NEUROPLASTICITY
253	\$72,699	USDA FOREST SERVICE	Brudvig, Lars	PLANT BIOLOGY CNS	PREDICTING SUCCESSFUL LONGLEAF PINE SAVANNA RESTORATION OUTCOMES
254	\$335,206	NATIONAL SCIENCE FOUNDATION	Case, Andrea	PLANT BIOLOGY CNS	BEE: ECOLOGICAL AND EVOLUTIONARY PROCESSES AFFECTING THE CO-EXISTENCE OF CLOSE RELATIVES
255	\$159,970	STANFORD LINEAR ACCELERATOR CENTER	Brandizzi, Federica	PLANT RESEARCH LABORATORY NAT SCIENCE	OPTICAL AND X-RAY MULTIMODAL-HYBRID MICROSCOPE SYSTEMS FOR LIVE IMAGING OF PLANT STRESS RESPONSE AND MICROBIAL INTERACTIONS
256	\$16,829	OHIO UNIV	Viens, Frederi	STATISTICS PROBABILITY	FRAMEWORKS: BAYESIAN ANALYSIS FOR NUCLEI IN DIVERSE THEORIES
<b>COLLEGE OF NURSING</b>					
257	\$409,410	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Goldstein, Dawn	NURSING	PSYCHIATRIC MENTAL HEALTH NURSE PRACTITIONER RECRUITMENT & RETENTION
<b>COLLEGE OF OSTEOPATHIC MEDICINE</b>					
258	\$2,800,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Luz, Clare	FAMILY AND COMMUNITY MEDICINE	DCW TRAINING PILOT PROJECT
259	\$57,235	COOLTECH LLC	Charleston, Larry	NEUROLOGY AND OPHTHALMOLOGY COM	A TRANSNASAL EVAPORATIVE COOLING DEVICE FOR ACUTE TREATMENT OF MIGRAINE
260	\$5,300	PARKINSONS DISEASE FOUNDATION	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	TOPAZ: TRIAL OF PARKINSON'S AND ZOLEDRONIC ACID. A RANDOMIZED PLACEBO-CONTROLLED TRIAL OF ZOLEDRONIC ACID FOR PREVENTION OF FRACTURES IN PATIENTS WITH PARKINSON'S DISEASE
261	\$7,990	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
262	\$18,029	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
263	\$5,142	AEON BIOPHARMA, INC.	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 2, RANDOMIZED, DOUBLE-BLIND, MULTICENTER, PLACEBO-CONTROLLED STUDY TO EVALUATE THE SAFETY AND EFFICACY OF INTRAMUSCULAR ABP-450 (PRABOTULINUMTOXINA) INJECTION FOR THE TREATMENT OF CERVICAL

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264	\$14,578	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
265	\$7,673	LUNDBECK NA LTD	Khalil, Suad	NEUROLOGY AND OPHTHALMOLOGY COM	INTERVENTIONAL, RANDOMIZED, DOUBLE-BLIND, PARALLEL-GROUP, PLACEBO-CONTROLLED STUDY TO EVALUATE THE EFFICACY AND SAFETY OF IV EPTINEZUMAB IN ADOLESCENTS (12-17 YEARS) FOR PREVENTIVE TREATMENT OF CH
266	\$10,716	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
267	\$59,577	EISAI INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	EISAI BAN2401-G000-201 OPEN LABEL EXTENSION
268	\$45,860	SEATTLE CHILDRENS RESEARCH INST	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	MOLECULAR MECHANISMS IN PEDIATRIC CEREBRAL MALARIA PATHOGENESIS AND IMMUNITY
269	\$28,429	UNIVERSITY OF ROCHESTER	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	MRI ANCILLARY STUDY OF MALARIA FEVER CONTROL RCT
270	\$152,567	NATIONAL INST ON AGING	Lee, Kin Sing	PHARMACOLOGY TOXICOLOGY	OXYLIPINS, AGING AND ALZHEIMER'S DISEASE
271	\$649,899	NATIONAL INST OF HEALTH	Lee, Kin Sing	PHARMACOLOGY TOXICOLOGY	DEVELOPMENT OF SOLUBLE EPOXIDE HYDROLASE INHIBITORS FOR THE TREATMENT OF ALZHEIMER'S DISEASE
272	\$65,106	AMER HEART ASSOC	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	OPTIMIZATION OF A DIRECT SERUM RESPONSE FACTOR INHIBITOR PEPTIDE AND APPLICATION IN HEART DISEASE
273	\$425,185	NATIONAL INST OF HEALTH	Watts, Stephanie	PHARMACOLOGY TOXICOLOGY	5-HT7 RECEPTOR AND BLOOD PRESSURE REGULATION
274	\$18,608	UNIVERSITY OF MICHIGAN	Watts, Stephanie	PHARMACOLOGY TOXICOLOGY	UNIVERSITY OF MICHIGAN KIDNEY, UROLOGY AND HEMATOLOGY RESEARCH TRAINING NETWORK
275	\$635,804	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	CULTURE-SPECIFIC NEURODEVELOPMENTAL ASSESSMENT OF HIV-AFFECTED CHILDREN
276	\$375,840	NATIONAL INST OF HEALTH	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	CULTURE-SPECIFIC NEURODEVELOPMENTAL ASSESSMENT OF HIV-AFFECTED CHILDREN: HOME-BASED EVALUATION THROUGH CLOUD-READINESS ENHANCEMENT

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277	\$47,378	NATIONAL INST OF HEALTH	Ezeamama, Amara	PSYCHIATRY OSTEOPATHIC MEDICINE	ESSENTIAL FATTY ACID DEFICIENCY AS A MODIFIABLE DETERMINANT OF COGNITIVE DYSFUNCTION AMONG 6-18-YEAR-OLD UGANDAN CHILDREN OF VARYING PERINATAL HIV STATUS
278	\$26,483	UNIVERSITY OF ARIZONA	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	NEED-BASED ADAPTIVE SYMPTOM MANAGEMENT TO ADDRESS SOCIAL DETERMINANTS OF HEALTH AT INDIVIDUAL, INTERPERSONAL, AND COMMUNITY LEVELS
279	\$13,241	UNIVERSITY OF ARIZONA	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	VIDA PLENA: LIFESTYLE INTERVENTION FOR HISPANIC FEMALE CANCER SURVIVORS AND CAREGIVERS
280	\$35,899	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
281	\$11,647	UNIVERSITY OF ROCHESTER	Shapiro, Erik	RADIOLOGY OSTEOPATHIC MEDICINE	COLLABORATIVE HIV INVESTIGATIONS OF ANTIRETROVIRAL NEUROPSYCHIATRIC TOXICITIES IN ZAMBIA (CHANTZ): PROTEASE INHIBITOR IMPACT ON PEDIATRIC CEREBROVASCULATURE AND MOOD
<b>COLLEGE OF SOCIAL SCIENCE</b>					
282	\$43,183	UNIVERSITY OF ALABAMA AT BIRMINGHAM	Maxwell, Christopher	CRIMINAL JUSTICE	DAILY DYNAMICS AND LONG-TERM PATTERNS OF ELDER ABUSE AND NEGLECT IN DEMENTIA FAMILY CAREGIVING
283	\$60,856	CLEMSON UNIV	Rojek, Jeffrey	CRIMINAL JUSTICE	AN EVALUATION OF DE-ESCALATION TRAINING TO UNDERSTAND THE LINKS BETWEEN TRAINING AND OUTCOMES
284	\$249,452	NATIONAL INST OF JUSTICE	Wilson, Jeremy	CRIMINAL JUSTICE	THE NATIONAL POLICE STAFFING PROJECT
285	\$30,000	SAGINAW COMMUNITY FOUNDATION	Wolfe, Scott	CRIMINAL JUSTICE	PSN VIOLENT GUN AND GANG REDUCTION PROGRAM
286	\$17,960	UNIVERSITY OF CHICAGO	Barnwal, Prabhat	ECONOMICS	INSURANCE AGAINST RISKS IN PREVENTIVE HEALTH INVESTMENT
287	\$61,000	AMAZON	Zhang, Hanzhe	ECONOMICS	PREDICTIVE AND COUNTERFACTUAL ANALYSIS OF COLLABORATIVE SCIENTIFIC SUCCESS
288	\$9,880	USDA FOREST SERVICE	Zhong, Shiyuan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	DOCUMENTATION AND PREPARATION OF PRESCRIBED FIRE DATA FOR ARCHIVE AND PUBLICATION
289	\$34,663	SOUTH DAKOTA STATE UNIV	Henebry, Geoffrey	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	MAINTENANCE, EVOLUTION, AND VALIDATION OF THE GLOBAL LAND SURFACE PHENOLOGY PRODUCT FROM SUOMI NPP AND JPSS VIIRS OBSERVATIONS

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	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
290	\$99,321	MICHIGAN TREE FRUIT COMMISSION	Lindell, Catherine	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	PEST RISK AND MANAGEMENT IN HIGH-DENSITY APPLES AND CHERRIES
291	\$100,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	WHERE ARE THE MISSING BURNED AREAS? GLOBAL HOTSPOTS OF BURNED AREA - A MULTIREOLUTION ANALYSIS
292	\$26,893	KBR	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	LANDSAT KBR SUBCONTRACT
293	\$22,435	UNIVERSITY OF IDAHO	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	IS THE WORLD BURNING LESS? DISENTANGLING DECADAL TRENDS, INTER-ANNUAL FIRE VARIABILITY AND PRODUCT UNCERTAINTIES, THROUGH HARMONIZATION OF THE NASA MODIS AND VIIRS FIRE PRODUCT RECORD
294	\$104,788	CACS HEAD START	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	HEAD START PRESCHOOL SERVICES - HASLETT
295	\$103,192	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Grossmann, Matthew	INST FOR PUBLIC POLICY SOCIAL RESEARCH	ASIAN AMERICAN AND PACIFIC ISLANDER-SPECIFIC BEHAVIORAL RISK FACTOR SURVEY
296	\$56,625	OFFICE OF NAVAL RESEARCH	Altmann, Erik	PSYCHOLOGY SOCIAL SCIENCE	EFFECTS OF SLEEP DEPRIVATION AND INDIVIDUAL DIFFERENCES ON PROCEDURAL PLACEKEEPING
297	\$99,982	NEW YORK UNIV	Brascamp, Jan	PSYCHOLOGY SOCIAL SCIENCE	AN ADVERSARIAL COLLABORATION TO TEST PREDICTIONS OF FIRST-ORDER AND HIGHER-ORDER THEORIES OF CONSCIOUSNESS.
298	\$100,000	RICE UNIV	Carter, Dorothy	PSYCHOLOGY SOCIAL SCIENCE	NEXT GENERATION TEAMS AND ORGANIZATIONAL SUBSYSTEMS RESEARCH.
299	\$11,927	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.
300	\$19,328	SAN DIEGO STATE UNIV FOUNDATION	Drahota, Amy	PSYCHOLOGY SOCIAL SCIENCE	REDESIGNING AN AUTISM EVIDENCE-BASED PRACTICE IMPLEMENTATION TOOLKIT FOR MIDDLE AND HIGH SCHOOLS
301	\$20,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Gregory, Katie	PSYCHOLOGY SOCIAL SCIENCE	HUMAN TRAFFICKING PROJECT

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302	\$744,882	NATIONAL INST OF MENTAL HEALTH	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	HORMONAL MECHANISMS OF PERIMENOPAUSAL RISK FOR PSYCHOSIS IN WOMEN
303	\$392,815	COLUMBIA UNIV	Moser, Jason	PSYCHOLOGY SOCIAL SCIENCE	NEURALLY TARGETED GROUP INTERVENTION TO REDUCE EARLY CHILDHOOD ANXIETY
304	\$78,724	UNIVERSITY OF DELAWARE	Neal, Jennifer	PSYCHOLOGY SOCIAL SCIENCE	A CRITICAL, ECOLOGICAL PERSPECTIVE ON WALLACE FOUNDATION RESEARCH PRODUCTION, DIFFUSION, AND USE.
305	\$175,946	INGHAM COUNTY	Sullivan, Cris	PSYCHOLOGY SOCIAL SCIENCE	INGHAM COUNTY ADOLESCENT DIVERSION PROJECT.
306	\$439,322	NATIONAL INST OF HEALTH	Thakkar, Katharine	PSYCHOLOGY SOCIAL SCIENCE	VISUAL PERCEPTION AS A WINDOW ONTO PREDICTION ANOMALIES IN SCHIZOPHRENIA
307	\$339,194	NATIONAL INST OF HEALTH	Veenema, Alexa	PSYCHOLOGY SOCIAL SCIENCE	OXYTOCIN NEURAL CIRCUITRY INVOLVEMENT IN JUVENILE SOCIAL PLAY
308	\$58,874	UNIVERSITY OF MICHIGAN	Yan, Lili	PSYCHOLOGY SOCIAL SCIENCE	ELECTROPHYSIOLOGIC CHARACTERIZATION OF CIRCADIAN RHYTHMS OF PREFRONTAL CORTICAL NETWORK STATES IN A DIURNAL RODENT
309	\$100,000	UNIVERSITY OF MICHIGAN	Beecher, Janice	PUBLIC UTILITIES INSTITUTE	REGIONAL COORDINATION TO OPTIMIZE WASTEWATER AND STORMWATER SYSTEM OPERATIONS
310	\$12,000	MICHIGAN DEPT OF LICENSING & REGULATORY AFFAIRS	Beecher, Janice	PUBLIC UTILITIES INSTITUTE	UCPB COORDINATOR 2023
311	\$24,000	SPAULDING FOR CHILDREN	Klein, Sacha	SOCIAL WORK	KINSHIP NETWORK DEVELOPMENT, EMPOWERMENT AND RESILIENCE PLUS CONNECTION AND RELATIONSHIP ENHANCEMENT THROUGH SHARED PARENTING – KINDER-CARES
312	\$10,000	MICHIGAN PUBLIC HEALTH INST	Park, Keunhye	SOCIAL WORK	ELIMINATING MISREPRESENTATION BETWEEN RACES ALLOWING CULTURAL EQUITY (EMBRACE): KENT COUNTY CHILD WELFARE RACE EQUITY ASSESSMENT
313	\$18,211	GEORGIA STATE UNIV	Smith-Darden, Joanne	SOCIAL WORK	EFFECTIVENESS EVALUATION OF ‘STEP UP STEP IN’ (SUSI): A CAMPAIGN TO PROMOTE SOCIAL NORMS AGAINST SEXUAL VIOLENCE
314	\$50,000	AGENCY FOR HEALTHCARE RESEARCH & QUALITY	Hsieh, Ning	SOCIOLOGY SOCIAL SCIENCE	UNDERSTANDING PRIMARY CARE UTILIZATION AND BARRIERS TO CARE AMONG SEXUAL AND RACIAL/ETHNIC MINORITY POPULATIONS
<b>ASC PROVOST FOR UNDERGRADUATE EDUCATION</b>					
315	\$305,000	MICHIGAN DEPT OF EDUCATION	Lack, Bruce	MIGRANT STUDENT SERVICES	MSU ID&R CENTER - MIGRANT EDUCATION PROGRAM IDENTIFICATION, RECRUITMENT & REPORTING CENTERS
<b>COLLEGE OF VETERINARY MEDICINE</b>					

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316	\$95,663	NATIONAL INST OF HEALTH	Ewart, Susan	LARGE ANIMAL CLINICAL SCIENCES	INCREASING DIVERSITY IN EXPERIENTIAL RESEARCH EDUCATION AT MICHIGAN STATE UNIVERSITY
317	\$29,900	AMER SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS	Hopfensperger, Marie	LARGE ANIMAL CLINICAL SCIENCES	VALIDATION OF A SHELTER BEHAVIORAL HEALTH ASSESSMENT TOOL AND EVALUATION OF TREATMENT PROTOCOLS FOR SHELTER DOGS IN NEED OF BEHAVIORAL HEALTH SUPPORT
318	\$78,217	SEATTLE CHILDRENS RESEARCH INST	Moeser, Adam	LARGE ANIMAL CLINICAL SCIENCES	FXIIIA PRODUCTION BY MAST CELLS FOR INNATE IMMUNITY
319	\$630,000	NATIONAL INST OF FOOD & AGRICULTURE	Moeser, Adam	LARGE ANIMAL CLINICAL SCIENCES	TARGETING HISTAMINE TO CONTROL EARLY LIFE GI INFLAMMATION AND IMPROVE LONG-TERM HEALTH IN PIGS
320	\$46,688	DELAVAL MANUFACTURING	Ruegg, Pamela	LARGE ANIMAL CLINICAL SCIENCES	EFFECTIVENESS OF TRAINING DAIRY FARM PERSONNEL ON IMPROVING MILKING PROCEDURE COMPLIANCE AND REDUCING MASTITIS EVENTS IN FRESH DAIRY COWS; A CLUSTER RANDOMIZED CROSSOVER DESIGN.
321	\$142,297	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	GENETIC ANALYSIS OF COVID-19 SUSCEPTIBILITY AND RESISTANCE DETERMINANTS IN THE COLLABORATIVE CROSS
322	\$6,196	SOCIETY OF TOXICOLOGY	Luyendyk, James	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	FIRST TIME SUMMER RESEARCH EXPERIENCE IN ENVIRONMENTAL HEALTH SCIENCES
323	\$417,197	NATIONAL INST OF HEALTH	Luyendyk, James	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	NOVEL DETERMINANTS OF FIBRINOGEN PRO-REPAIR ACTIVITY IN ACETAMINOPHEN-INDUCED LIVER TOXICITY
324	\$207,821	MACQUARIE UNIVERSITY	Komaromy, Andras	SMALL ANIMAL CLINICAL SCIENCES	LET THERE BE LIGHT- MODIFIED SERPIN AS A DUAL FUNCTION THERAPEUTIC AGENT IN GLAUCOMA
325	\$65,492	STANTON FOUNDATION	Langlois, Daniel	SMALL ANIMAL CLINICAL SCIENCES	MITIGATING TREATMENT COSTS FOR ADDISON’S DISEASE IN DOGS
326	\$60,670	TISTOU & CHARLOTTE KERSTAN FOUNDATION	Petersen-Jones, Simon	SMALL ANIMAL CLINICAL SCIENCES	EFFICACY OF GENE AUGMENTATION THERAPY AT LATER STAGES OF RETINAL DEGENERATION IN A LARGE ANIMAL MODEL OF RETINITIS PIGMENTOSA DUE TO A PDE6A MUTATION
327	\$22,002	UNIVERSITY OF MICHIGAN	Yuzbasiyan-Gurkan, Vilma	SMALL ANIMAL CLINICAL SCIENCES	ENGINEERED NANO-FORMULATIONS FOR STING ACTIVATION

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328	\$19,153	BERNER GARDE FOUNDATION	Yuzbasiyan-Gurkan, Vilma	SMALL ANIMAL CLINICAL SCIENCES	BERNER GARDE GIFT FUND FOR IMPROVING THE HEALTH AND WELL-BEING OF BERNESE MOUNTAIN DOGS
329	\$23,100	BOEHRINGER INGELHEIM INC	Sreevatsan, Srinand	VETERINARY MEDICINE DEAN	2023 BOEHRINGER INGELHEIM VETERINARY SCHOLARS PROGRAM (BIVSP)
<b>FACILITY FOR RARE ISOTOPE BEAMS</b>					
330	\$98,800	VPT INC	Abrams, BJ	FACILITY FOR RARE ISOTOPE BEAMS	SINGLE EVENT EFFECT TESTING ON ELECTRONIC COMPONENTS - EXPERIMENT 22925
331	\$31,200	JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY	Abrams, BJ	FACILITY FOR RARE ISOTOPE BEAMS	SINGLE EVENT EFFECT TESTING ON ELECTRONIC COMPONENTS - EXPERIMENT 22921
332	\$29,670,000	US DEPT OF ENERGY	Glasmacher, Thomas	FACILITY FOR RARE ISOTOPE BEAMS	HIGH RIGIDITY SPECTROMETER PROJECT
333	\$71,150	BOEING CO	Knudsen, Peter	FACILITY FOR RARE ISOTOPE BEAMS	SECOND BAYONET STUDY
334	\$210,518	FERMI NATIONAL ACCELERATOR LABORATORY	Lund, Steven	FACILITY FOR RARE ISOTOPE BEAMS	US PARTICLE ACCELERATOR SCHOOL (USPAS) DIRECTOR
335	\$250,000	US DEPT OF ENERGY	Nazarewicz, Witold	FACILITY FOR RARE ISOTOPE BEAMS	MICROSCOPIC DESCRIPTION OF THE FISSION PROCESS
336	\$70,000	WASHINGTON UNIV IN ST LOUIS	Nunes, Filomena	FACILITY FOR RARE ISOTOPE BEAMS	FRIB THEORY ALLIANCE FELLOW AT WUSTL - ANNA MCCOY
337	\$67,295	FERMI NATIONAL ACCELERATOR LABORATORY	Ostroumov, Peter	FACILITY FOR RARE ISOTOPE BEAMS	RESONANCE CORRECTION STUDIES AT THE FNAL RECYCLER RING
338	\$50,000	NANOSONIC INC	Wei, Jie	FACILITY FOR RARE ISOTOPE BEAMS	LONG-TERM RADIATION RUGGED ROTARY VACUUM AND WATER SEALS IN HEAVY-ION ACCELERATORS
339	\$87,000	US DEPT OF ENERGY	Wrede, Christopher	FACILITY FOR RARE ISOTOPE BEAMS	NUCLEAR PHYSICS OF COMPACT BINARIES WITH GADGET
<b>PROVOST AND ACADEMIC AFFAIRS</b>					



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	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
340	\$24,000	MICHIGAN ARTS & CULTURE COUNCIL	Olmscheid, Eric	PROVOST EVP FOR ACADEMIC AFFAIRS	2022-2023 ACT ONE SCHOOL SERIES (WHARTON CENTER FOR PERFORMING ARTS)
<b>ASC PROV FOR UNIV OUTREACH ENGAGEMENT</b>					
341	\$530,000	MICHIGAN DEPT OF EDUCATION	Wu, Jamie	COMMUNITY EVALUATION AND RSCH COLLABRTVE	2022-2023 EVALUATION OF MICHIGAN 21ST CENTURY COMMUNITY LEARNING CENTERS
<b>MSU AGBIORESEARCH</b>					
342	\$400,000	MI SUSTAINABLE FOREST INITIATIVE IMPLEMENTATION COMMITTEE INC	Randall, Jesse	ABR DIRECTORS OFFICE	MSU FIC FOR THE ROLE OF MI SFI COORDINATOR
343	\$80,000	COTTON INC	Lock, Adam	ANIMAL SCIENCE DEPARTMENT MABR	MAXIMIZING THE YIELDS OF MILK FAT AND PROTEIN UTILIZING WHOLE COTTONSEED IN DAIRY COW DIETS: AN EARLY LACTATION STUDY TO DETERMINE THE INTERACTION BETWEEN WHOLE COTTONSEED AND SUPPLEMENTAL FATTY ACIDS
344	\$1,400,000	US AGENCY FOR INTL DEVELOPMENT	Buhler, Douglas	MSU AGBIORESEARCH DIR OFC	FEED THE FUTURE INNOVATION LAB FOR LEGUME SYSTEMS RESEARCH (ILLSR)
345	\$65,000	UNIVERSITY OF WISCONSIN MADISON	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	MULTI-DIMENSIONAL APPROACHES FOR IMPROVED PRODUCTIVITY, SUSTAINABILITY, AND MANAGEMENT OF MAJOR SOYBEAN DISEASES IN THE NORTH CENTRAL U.S.
346	\$185,400	COLORADO STATE UNIV	Li, Hui	PLANT SOIL AND MICROBIAL SCIENCES	REVIEW AND ASSESS THE STATE OF PFAS SCIENCE IN AGRICULTURE TO IMPROVE KNOWLEDGE AND UNDERSTANDING OF AGRICULTURAL PFAS ISSUES AND CONDUCT A SUITE OF PFAS RESEARCH PROJECTS TO INFORM NRCS ACTIVITIES
347	\$393,949	COLORADO STATE UNIV	Patterson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	INTERNATIONAL WEED GENOMICS CONSORTIUM
<b>MICHIGAN STATE UNIVERSITY EXTENSION</b>					
348	\$100,000	NATIONAL INST OF FOOD & AGRICULTURE	Milbrath, Meghan	ENTOMOLOGY MSUE	TAKING THE STING OUT OF HONEY BEE MEDICINE: TRAINING AND TOOLS FOR VETERINARIANS TO INCREASE ACCESS TO CARE FOR BEEKEEPERS.
349	\$139,943	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Fronczak, Sarah	EXTENSION AGRICULTURE AND AGRIBUSINESS	2023-2024 NCR-SARE STATE PLAN OF WORK

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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
350	\$199,637	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Fronczak, Sarah	EXTENSION AGRICULTURE AND AGRIBUSINESS	MICHIGAN CONSERVATION RESERVE ENHANCEMENT PROGRAM - CONTINUATION
351	\$19,999	IOWA STATE UNIV	Heck, Ana	EXTENSION AGRICULTURE AND AGRIBUSINESS	NORTH CENTRAL INTEGRATED PEST MANAGEMENT CENTER (NCIPMC): A REGIONAL APPROACH TO PEST MANAGEMENT IMPLEMENTATION
352	\$77,980	HOLSTEIN ASSOCIATION USA INC	Jaborek, Jerad	EXTENSION AGRICULTURE AND AGRIBUSINESS	EVALUATION OF FEEDLOT PERFORMANCE, CARCASS TRAITS, AND SENSORY CHARACTERISTICS OF SIMANGUS × HOLSTEIN STEERS AND HEIFERS, HOLSTEIN STEERS, AND SIMANGUS BEEF STEERS
353	\$34,755	PURDUE UNIV	Jean, Monica	EXTENSION AGRICULTURE AND AGRIBUSINESS	MIDWEST COVER CROPS COUNCIL EDUCATOR
354	\$5,083	WESTERN MICHIGAN GREENHOUSE ASSOC	Jubenville, Jeremy	EXTENSION AGRICULTURE AND AGRIBUSINESS	THRIPS SPECIES COMPOSITION IN MICHIGAN COMMERCIAL FLORICULTURE GREENHOUSES
355	\$153,675	NATIONAL PESTICIDE SAFETY EDUCATION CENTER	Smith, Thomas	EXTENSION AGRICULTURE AND AGRIBUSINESS	NATIONAL PESTICIDE SAFETY EDUCATION CENTER EXECUTIVE DIRECTOR
356	\$55,151	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
357	\$5,500	BARRY COUNTY UNITED WAY	Moore, Erin	EXTENSION CHILDREN AND YOUTH	BARRY COUNTY MSU EXTENSION 4-H PROGRAM
358	\$10,544	MICHIGAN 4H FOUNDATION	Schulz, Jodi	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
359	\$11,038	TRINITY UNIVERSITY	Carpenter, Craig	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	INHERITED INEQUITY? USING ADMINISTRATIVE DATA TO MEASURE THE INTERGENERATIONAL AND INTERACTIVE IMPACTS OF HOUSING AND EDUCATION

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360	\$207,997	MICHIGAN DEPT OF ENVIRONMENTAL QUALITY	Cohen, Joshua	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	NATURAL COMMUNITY SURVEYS OF LAKE SUPERIOR ISLANDS
361	\$261,652	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MNFI 2023 - TITLE 2 - ML DNR WLD INTEGRATED INVENTORY 2023
362	\$103,449	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	10 - NATURAL COMMUNITY SURVEYS AND MIFI INVENTORY OF PRD LANDS
363	\$49,391	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Dedecker, James	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	THE SEED TO KITCHEN COLLABORATIVE: IDENTIFYING IMPROVED VEGETABLE VARIETIES FOR ORGANIC DIRECT-MARKET GROWERS
364	\$49,446	ARENAC CONSERVATION DISTRICT	Hackett, Rachel	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MONITORING, TREATMENT AND RE-TREATMENT OF VALUABLE GREAT LAKES COASTAL WETLANDS AND QUANICASSEE RIVERINE WETLANDS
365	\$23,910	ST JAMES TOWNSHIP	Higman, Phyllis	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	PROTECTING THREATENED AND ENDANGERED SPECIES AND RARE HABITAT ON BEAVER ISLAND
366	\$18,000	MICHIGAN ARTS & CULTURE COUNCIL	Ivan, David	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MICHIGAN ARTSHARE URBAN - RURAL CONVERSATION PROJECT
367	\$384,208	MICHIGAN DEPT OF NATURAL RESOURCES	Klatt, Brian	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	TITLE 1 - CONSULTATION, ADMINISTRATION, AND DATABASE FOR MDNR FY 2023
368	\$51,840	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Latimore, Jo	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	CLEAN BOATS, CLEAN WATERS FOR FISCAL YEARS 2023-2024
369	\$25,512	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Lee, Yu Man	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	CAMP GRAYLING SURVEYS

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370	\$74,699	MICHIGAN NATURE ASSOC	Lee, Yu Man	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	FACILITATING AND IMPLEMENTING EASTERN MASSASAUGA CONSERVATION AND RECOVERY IN MICHIGAN
371	\$70,000	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Monfils, Michael	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	CAMP GRAYLING BIRD SURVEY DESIGN AND IMPLEMENTATION
372	\$130,000	AMERICANA FOUNDATION	Peet, Katie	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	AMERICANA - TOLLGATE MSU - 2023
373	\$85,000	US FISH & WILDLIFE SERVICE	Rowe, Logan	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	BUMBLE BEE COMMUNITY SURVEYS AND BUMBLE BEE ATLAS FOR MICHIGAN
374	\$148,000	UNIVERSITY OF MICHIGAN	Sturtevant, Rochelle	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	2022-23 GLANSIS: SCIENCE AND MANAGEMENT SUPPORT
375	\$229,231	UNIVERSITY OF MICHIGAN	Triezenberg, Heather	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	GLANSIS + GLWL: SCIENCE AND MANAGEMENT SUPPORT - SUPPLEMENTAL
376	\$92,246	UNIVERSITY OF MICHIGAN	Triezenberg, Heather	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	SEA GRANT - GLERL/GLRCT LIAISON PROGRAM, 2022/2024
377	\$178,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Contreras, Dawn	EXTENSION HEALTH AND NUTRITION	PHYSICIAN PEER EDUCATION ON IMMUNIZATION
378	\$230,049	UNIVERSITY OF TENNESSEE	Warwick, Alexa	FISHERIES AND WILDLIFE MSUE	SOCIOECONOMIC AND EPIDEMIOLOGICAL DRIVERS OF PATHOGEN DYNAMICS IN WILDLIFE TRADE NETWORKS
379	\$150,166	MICHIGAN SUGARBEET ADVANCEMENT	Bublitz, Daniel	PLANT SOIL AND MICROBIAL SCIENCES	SALARY AND FRINGE FOR RG072614 BUBL
<b>RESEARCH AND INNOVATION</b>					

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380	\$50,000	UNIVERSITY OF MICHIGAN	Hasemann, Charles	MSU INNOVATION CENTER	TECHNOLOGY TRANSFER TALENT NETWORK - 9
381	\$12,500	UNIVERSITY OF MICHIGAN	Hasemann, Charles	MSU INNOVATION CENTER	THE CONTINUATION OF STEVE KLUEMPER, AS A MENTOR IN RESIDENCE FROM JANUARY 1, 2023 - JUNE 30, 2023
382	\$30,000	AITCH FOUNDATION	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	AITCH FOUNDATION CANCER RESEARCH AWARDS
383	\$30,000	UNIVERSITY OF MICHIGAN	Hasemann, Charles	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY TRANSFER TALENT NETWORK - 9
<b>MICHIGAN STATE UNIVERSITY COLLEGE OF LAW</b>					
384	\$70,000	CASEY FAMILY PROGRAMS	Fort, Kathryn	COLLEGE OF LAW DEAN	CASEY FAMILY PROGRAMS CONTRACT SERVICE AGREEMENT
385	\$10,000	US DEPT OF TREASURY	Wease, Joshua	COLLEGE OF LAW DEAN	MICHIGAN STATE UNIVERSITY LOW-INCOME TAXPAYER CLINIC
<b>UNIVERSITY HEALTH AND WELLBEING</b>					
386	\$12,500	INGHAM COUNTY	Rosen, Holly	DOMESTIC SHELTER	SHELTER, ADVOCACY AND SUPPORT FOR DOMESTIC VIOLENCE SURVIVORS
<b>VARIOUS</b>					
387	\$127,862	VARIOUS	Various	Various	62 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	<b>\$112,976,405</b>	<b>Total April 2023 Board</b>			

CONSIGNMENT/NON-CASH GIFTS  
BOARD OF TRUSTEES  
April 21, 2023

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Shipping expenses to transport NewProductWorks Collection to MSU	Ipsos-Insight, LLC	School of Packaging	\$92,703.00	Research resource for School of Packaging
2	Building materials	James Rosenthal	Spartan Fund – Athletics	\$81,905.07	Duffy Daugherty building materials
3	Pure Stride orthotics customized with MSU logo	Dia Foot	Intercollegiate Athletics Spartan Fund	\$15,984.72	Football team gear
4	Travel expenses	William Larkin	Intercollegiate Athletics Spartan Fund	\$14,965.00	Men’s Golf trip
5	Travel expenses	Curtis Wright	Intercollegiate Athletics Spartan Fund	\$13,757.68	Men’s Tennis trip
6	1 Apple Desktop 3 HP Desktops 12 Lenovo Laptops	TechSmith	College of Engineering	\$12,975.00	Gift supporting education, inclusion & diversity

7-14	Various	Various	Various	\$10,654.76	<p>8 Consolidated non-cash gifts for individual values less than \$5,000</p> <p>Specific details regarding transactions retained within University Advancement.</p> <p>Summary details on file in the Contract &amp; Grant Administration office, Hannah Administration Bldg. 426 Auditorium Road, Room 2, East Lansing, MI 48824.</p>
			<b>TOTAL</b>	<b>\$242,945.23</b>	