

# MICHIGAN STATE UNIVERSITY

December 3, 2021

## MEMORANDUM

TO: Members of the Board of Trustees

FROM: Douglas A. Gage, *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 August 18, 2021, through November 15, 2021. The report is a compilation of 702 Gifts, Grants, and Contracts plus 104 Consignment/Non-Cash Gifts, with a total value of \$197,332,460.



### FY 2021-22 TOTALS:

- |   |               |
|---|---------------|
| a) Gifts, Grants and Contracts only:              | \$381,539,584 |
| b) Gifts, Grants and Contracts plus Consignments: | \$383,990,670 |
- (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.

Douglas A. Gage, Ph.D.  
Vice President

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## Current Period / Year to Date

### Gift & Grant Awards

Meeting Date: 12/17/2021

Current Period: Aug 18, 2021 - Nov 15, 2021

#### AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$111,340,048	\$221,488,862	87.3%
State of Michigan	\$6,239,391	\$11,743,601	4.6%
Other	\$3,542,825	\$6,660,500	2.6%
Industry/CO	\$1,370,850	\$4,281,823	1.7%
Foundation	\$3,143,689	\$8,399,119	3.3%
Association	\$556,055	\$1,237,273	0.5%
<b>Research - Total</b>	<b>\$126,192,858</b>	<b>\$253,811,178</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$47,853,075	\$57,991,362	45.4%
State of Michigan	\$2,520,029	\$3,631,647	2.8%
Other	\$2,025,982	\$3,282,860	2.6%
Industry/CO	\$1,184,907	\$1,214,207	1.0%
Foundation	\$2,249,834	\$3,427,005	2.7%
Association	\$63,380	\$109,830	0.1%
Various Donors - Advancement	\$14,934,149	\$58,071,494	45.5%
<b>Non-Research - Total</b>	<b>\$70,831,356</b>	<b>\$127,728,405</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$159,193,123	\$279,480,225	73.3%
State of Michigan	\$8,759,420	\$15,375,248	4.0%
Other	\$5,568,807	\$9,943,361	2.6%
Industry/CO	\$2,555,757	\$5,496,029	1.4%
Foundation	\$5,393,523	\$11,826,124	3.1%
Association	\$619,435	\$1,347,103	0.4%
Various Donors - Advancement	\$14,934,149	\$58,071,494	15.2%
<b>TOTAL</b>	<b>\$197,024,213</b>	<b>\$381,539,584</b>	<b>100%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	323	640	62.7%
State of Michigan	28	52	5.1%
Other	56	104	10.2%
Industry/CO	61	112	11.0%
Foundation	23	44	4.3%
Association	21	68	6.7%
<b>Research - Total</b>	<b>512</b>	<b>1,020</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	103	169	54.7%
State of Michigan	15	24	7.8%
Other	31	46	14.9%
Industry/CO	23	24	7.8%
Foundation	14	39	12.6%
Association	3	5	1.6%
Various Donors - Advancement	1	2	0.6%
<b>Non-Research - Total</b>	<b>190</b>	<b>309</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	426	809	60.9%
State of Michigan	43	76	5.7%
Other	87	150	11.3%
Industry/CO	84	136	10.2%
Foundation	37	83	6.2%
Association	24	73	5.5%
Various Donors - Advancement	1	2	0.2%
<b>TOTAL</b>	<b>702</b>	<b>1,329</b>	<b>100%</b>

## Current Year / Previous Year

### Gift & Grant Awards

Meeting Date: 12/17/2021

Current Period: Aug 18, 2021 - Nov 15, 2021

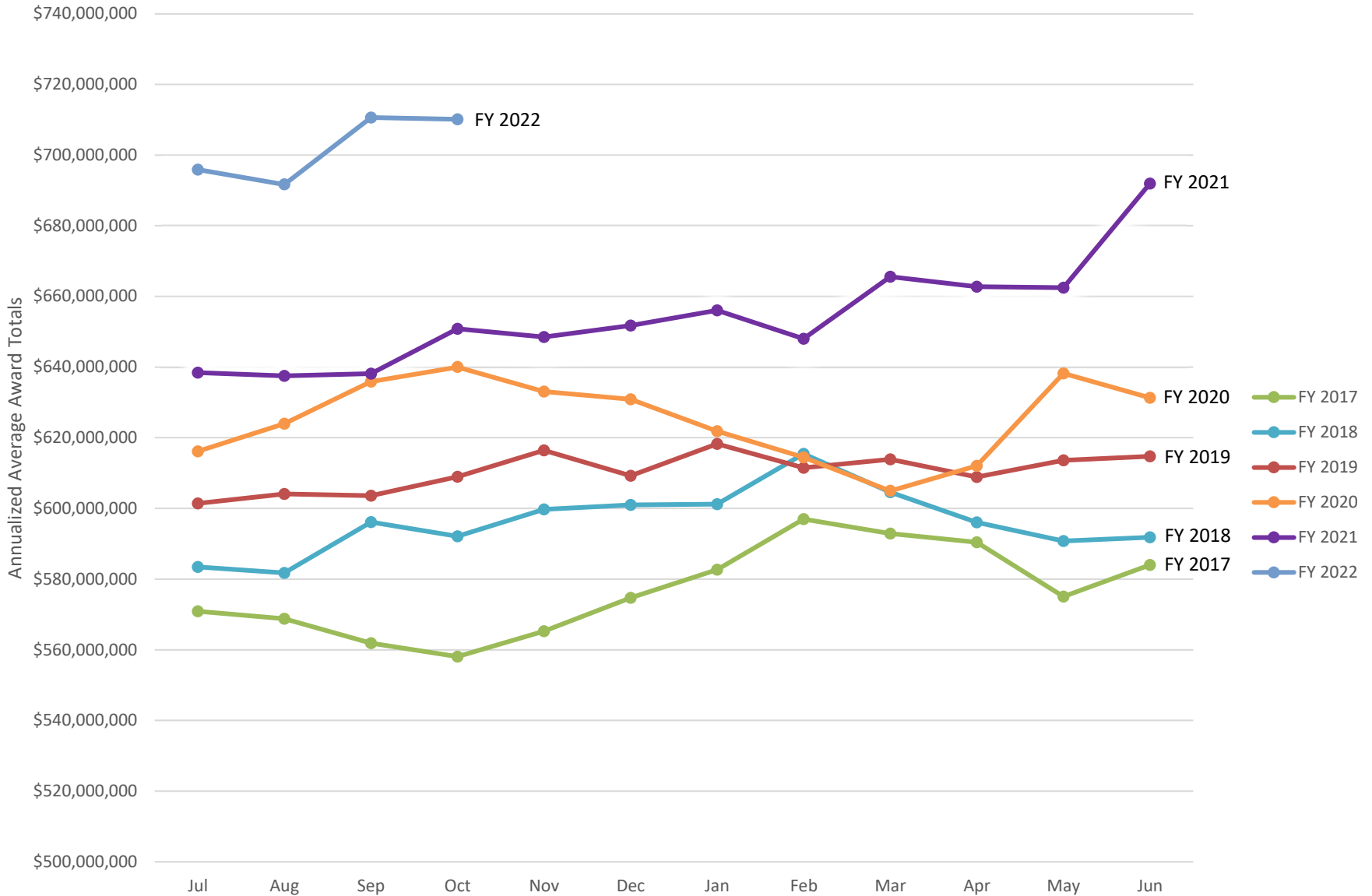
#### AWARD TOTALS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$213,852,599	\$221,488,862	3.6%
State of Michigan	\$3,790,314	\$11,743,601	209.8%
Other	\$8,613,617	\$6,660,500	-22.7%
Industry/CO	\$3,055,324	\$4,281,823	40.1%
Foundation	\$8,985,786	\$8,399,119	-6.5%
Association	\$1,144,789	\$1,237,273	8.1%
<b>Research - Total</b>	<b>\$239,442,429</b>	<b>\$253,811,178</b>	<b>6.0%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$41,569,259	\$57,991,362	39.5%
State of Michigan	\$34,741,660	\$3,631,647	-89.5%
Other	\$12,579,887	\$3,282,860	-73.9%
Industry/CO	\$1,769,226	\$1,214,207	-31.4%
Foundation	\$6,397,599	\$3,427,005	-46.4%
Association	\$138,470	\$109,830	-20.7%
Various Donors - Advancement	\$36,165,589	\$58,071,494	60.6%
<b>Non-Research - Total</b>	<b>\$133,361,691</b>	<b>\$127,728,405</b>	<b>-4.2%</b>
Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change
Federal Government	\$255,421,857	\$279,480,225	9.4%
State of Michigan	\$38,531,974	\$15,375,248	-60.1%
Other	\$21,193,504	\$9,943,361	-53.1%
Industry/CO	\$4,824,550	\$5,496,029	13.9%
Foundation	\$15,383,386	\$11,826,124	-23.1%
Association	\$1,283,259	\$1,347,103	5.0%
Various Donors - Advancement	\$36,165,589	\$58,071,494	60.6%
<b>TOTAL</b>	<b>\$372,804,119</b>	<b>\$381,539,584</b>	<b>2.3%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	650	640	-1.5%
State of Michigan	31	52	67.7%
Other	158	104	-34.2%
Industry/CO	118	112	-5.1%
Foundation	50	44	-12.0%
Association	86	68	-20.9%
<b>Research - Total</b>	<b>1,093</b>	<b>1,020</b>	<b>-6.7%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	144	169	17.4%
State of Michigan	21	24	14.3%
Other	68	46	-32.4%
Industry/CO	60	24	-60.0%
Foundation	48	39	-18.8%
Association	9	5	-44.4%
Various Donors - Advancement	2	2	0.0%
<b>Non-Research - Total</b>	<b>352</b>	<b>309</b>	<b>-12.2%</b>
Total			
Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	794	809	1.9%
State of Michigan	52	76	46.2%
Other	226	150	-33.6%
Industry/CO	178	136	-23.6%
Foundation	98	83	-15.3%
Association	95	73	-23.2%
Various Donors - Advancement	2	2	0.0%
<b>TOTAL</b>	<b>1,445</b>	<b>1,329</b>	<b>-8.0%</b>

### Michigan State University 3 Year Annualized Average Awards



## Top 10 Awards for the December 17, 2021 BOT Meeting

Rank	Sponsor Type	Award Amount	Principal Investigator	Sponsor	Department	New or Modification	Award Activity Type	Project Dates	Project Title
1	Federal Government	\$18,500,000	Thomas Glasmacher	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	03/15/2018 01/14/2023	Facility for Rare Isotope Beams Transition to Operation and Operation as Scientific User Facility
2	Federal Government	\$8,000,000	Deanna East	US Dept of Agriculture	EXTENSION HEALTH AND NUTRITION	New	Public Service	10/01/2021 09/30/2022	Supplemental Nutrition Assistance Program - Education FY2022
3	Federal Government	\$7,323,547	Michael Brand	Small Business Administration	PERFORMING ARTS FACILITIES AND PROGRAMS	New	Education/Instruction	06/28/2021 12/31/2021	Shuttered Venue Operator Grant for COVID-19 relief
4	Federal Government	\$6,000,000	Debra Furr-Holden	Centers for Disease Control & Prevention	IPF CAMPUS SERVICES CUSTODIAL SERVICES	New	Public Service	07/31/2021 07/30/2024	The National Network to Innovate for COVID-19 and Adult Vaccine Equity (NNICE)
5	Federal Government	\$5,970,605	Leapetswe Malete	US Agency for Intl Development	KINESIOLOGY - ED	New	Education/Instruction	07/27/2021 07/26/2026	USAID Empowered Youth (KEY)
6	Federal Government	\$5,652,511	David Douches	US Agency for Intl Development	PLANT SOIL AND MICROBIAL SCIENCES	New	Research	09/24/2021 09/30/2026	Feed the Future Global Biotech Potato Partnership
7	Federal Government	\$5,200,000	David Tschirley	US Agency for Intl Development	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	Modification	Research	05/15/2019 05/14/2024	Feed the Future Innovation Lab for Food Security Policy Research, Capacity, and Influence
8	Federal Government	\$3,650,000	Mona Hanna-Attisha	Centers for Disease Control & Prevention	CHM FLINT	Modification	Public Service	08/01/2017 07/31/2022	Flint Lead Exposure Registry (FLExR)
9	Federal Government	\$3,370,000	Bruno Basso	USDA- Farm Service Agency	EARTH AND ENVIRONMENTAL SCIENCES	New	Research	09/30/2021 09/29/2026	CRP Soil Carbon Assessment - Wetlands: Integrating strategic sampling with an ensemble multi-model approach to quantify and scale soil carbon stocks and climate benefits in CRP
10	Federal Government	\$2,901,575	Jean Kerver	National Inst of Health	EPIDEMIOLOGY AND BIOSTATISTICS	Modification	Research	09/21/2016 08/31/2023	Prenatal Exposures and Child Health Outcomes: A Statewide Study
	<b>TOTAL</b>	<b>\$66,568,238</b>							

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**December 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
<b>COLLEGE OF AGRICULTURE AND NAT RESOURCES</b>					
1	\$56,741	WORLDFISH	Belton, Benjamin	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	TAKING NUTRITION-SENSITIVE CARP-SIS POLY CULTURE TECHNOLOGY TO SCALE
2	\$35,000	FOOD MARKETING INST	Caputo, Vincenzina	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CONSUMER ATTITUDES, TRUST, AND ACCEPTANCE OF GENE-EDITED FOOD UNDER VARIOUS LABELING PROGRAMS AND DIFFERENT LABELING FORMATS
3	\$100,000	ECONOMIC RESEARCH SERVICE	Caputo, Vincenzina	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	THE MARKET OF MEAT ALTERNATIVES: EXISTING PRODUCTS, NEW DEVELOPMENTS, AND CONSUMER PERSPECTIVE
4	\$975,000	ECONOMIC RESEARCH SERVICE	Lupi, Frank	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	MEASURING THE DYNAMICS OF MINIMUM REQUIRED COVER CROP INCENTIVE PAYMENTS
5	\$14,431	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Malone, Trey	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CONSUMER DEMAND FOR CANNABIS-INFUSED BEVERAGES AND ITS IMPACT ON THE ECONOMIC SUSTAINABILITY OF LOCAL FARMS AND CRAFT BEVERAGE PRODUCERS
6	\$104,021	UNIVERSITY OF MINNESOTA DULUTH	Malone, Trey	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	"GREAT LAKES SEA GRANT AQUACULTURE COLLABORATIVE"
7	\$174,930	CHARLES STEWART MOTT FOUNDATION	Scorsone, Eric	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	INVESTIGATION OF AMERICAN RESCUE PLAN ACT AND LOCAL GOVERNMENT FINANCES
8	\$53,899	UNIVERSITY OF MICHIGAN	Scorsone, Eric	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CITY OF DETROIT ECONOMIC AND REVENUE FORECASTING PROJECT.
9	\$5,200,000	US AGENCY FOR INTL DEVELOPMENT	Tschirley, David	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	FEED THE FUTURE INNOVATION LAB FOR FOOD SECURITY POLICY RESEARCH, CAPACITY, AND INFLUENCE
10	\$19,575	VARIOUS INDUSTRIES	Bradford, Barry	ANIMAL SCIENCE DEPARTMENT ANR	DR. BARRY BRADFORD TESTING
11	\$59,897	NATIONAL INST OF HEALTH	Huang, Wen	ANIMAL SCIENCE DEPARTMENT ANR	GENETIC VARIATION AND EVOLUTION OF TRANSLATIONAL CONTROL IN DROSOPHILA
12	\$323,916	NATIONAL INST OF HEALTH	Huang, Wen	ANIMAL SCIENCE DEPARTMENT ANR	GENETIC VARIATION AND EVOLUTION OF TRANSLATIONAL CONTROL IN DROSOPHILA
13	\$89,400	UNITED SOYBEAN BOARD	Lock, Adam	ANIMAL SCIENCE DEPARTMENT ANR	MAXIMIZING THE YIELDS OF MILK FAT AND PROTEIN UTILIZING HIGH OLEIC ACID SOYBEANS IN DAIRY COW DIETS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
14	\$150,000	BOEHRINGER INGELHEIM INC	Pursley, James	ANIMAL SCIENCE DEPARTMENT ANR	THE EFFECT OF GONADORELIN DIACETATE TETRAHYDRATE IN COMBINATION WITH CLOPROSTENOL SODIUM ON PREGNANCY RATES / AI AND PREGNANCY LOSSES IN LACTATING DAIRY COWS
15	\$25,000	JONES FAMILY FOUNDATION	Rowntree, Jason	ANIMAL SCIENCE DEPARTMENT ANR	RESEARCH GIFT
16	\$82,142	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Das, Narendra	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	HIGH RESOLUTION SOIL MOISTURE ALGORITHM USING THE SYNERGY OF MICROWAVE ACTIVE AND PASSIVE OBSERVATIONS FOR THE NISAR MISSION
17	\$165,000	NATIONAL INST OF FOOD & AGRICULTURE	Medina Meza, Ilce	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	EVALUATION OF BIOLOGICAL SIGNATURES OF DIETARY LIPIDS FROM THE WESTERN DIET AND ITS NUTRITIONAL QUALITY.
18	\$461,067	NATIONAL INST OF HEALTH	Mitchell, Jade	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	QMRA IV- QUANTITATIVE MICROBIAL RISK ASSESSMENT INTERDISCIPLINARY VEHICLE: ADDRESSING EMERGING GLOBAL HEALTH RISKS
19	\$49,972	GREAT LAKES WATER AUTHORITY	Safferman, Steven	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	TRANSPORT AND FATE OF NUTRIENTS IN BIOSOLIDS FROM THE CITY OF DETROIT WATER RESOURCE RECOVERY FACILITY
20	\$12,500	VARIOUS INDUSTRIES	Safferman, Steven	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	FEE FOR SERVICE - STEVEN SAFFERMAN
21	\$499,948	MICHIGAN HEALTH ENDOWMENT FUND	Gensler, Liz	DEPARTMENT OF COMMUNITY SUSTAINABILITY	ADVANCING HEALTH, EQUITY, AND SUSTAINABILITY THROUGH MICHIGAN'S LOCAL FOOD COUNCILS
22	\$372,888	NATIONAL SCIENCE FOUNDATION	Gray, Steven	DEPARTMENT OF COMMUNITY SUSTAINABILITY	COLLABORATIVE RESEARCH: INTEGRATING PERSPECTIVE-TAKING AND SYSTEMS THINKING FOR COMPLEX PROBLEM-SOLVING
23	\$9,753	TWO SIX LABS	Gray, Steven	DEPARTMENT OF COMMUNITY SUSTAINABILITY	MULTI-INFORMED MODELS EMERGING FROM SOCIAL INVESTIGATIONS AND SEMIOTICS (MIMESIS)
24	\$580,437	NATIONAL INST OF FOOD & AGRICULTURE	Morrone, Vicki	DEPARTMENT OF COMMUNITY SUSTAINABILITY	ELEVATING THE QUALITY OF BEGINNING FARMER TRAINING IN MICHIGAN
25	\$90,900	ASSOC FOR STATE PUBLIC HEALTH NUTRITIONISTS	Shedd, Meagan	DEPARTMENT OF COMMUNITY SUSTAINABILITY	MICHIGAN FARM TO ECE IMPLEMENTATION GRANT (FIG) Y2

**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>
26	\$10,000	OHIO STATE UNIV	Difonzo, Christina	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESEARCH AND EXTENSION ON EMERGING SOYBEAN PESTS IN THE NORTH CENTRAL REGION
27	\$6,096	NATIONAL RENEWABLE ENERGY LAB	Grieshop, Matthew	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BIO-INSECTICIDES FROM THERMOCHEMICAL BIOMASS CONVERSION
28	\$6,500	MICHIGAN BEEKEEPERS ASSOC	Huang, Zachary	ENTOMOLOGY AGRICULTURE AND NATURAL RES	Z. HUANG HONEY BEE PROGRAM RESEARCH - MBA/FREMONT COMMUNITY FDN.
29	\$43,501	FOREIGN AGRICULTURAL SERVICE	Jiang, Wayne	ENTOMOLOGY AGRICULTURE AND NATURAL RES	PESTICIDE RESIDUE FIELD TRIALS
30	\$500,000	FOREIGN AGRICULTURAL SERVICE	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BIOTECHNOLOGY AND BIOSAFETY TRAINING PROGRAM FOR EMPOWERING POLICY MAKERS, REGULATORS, AND OTHER KEY STAKEHOLDERS IN EMERGING MARKETS IN AFRICA AND ASIA (PHASE II 2021-2025)
31	\$70,000	AFRICAN AGRICULTURAL TECHNOLOGY FOUNDATION	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SUSTAINABLE DEPLOYMENT OF SCALING-UP OF POD BORER RESISTANT B.T. COWPEA IN WEST AFRICA
32	\$25,000	PURDUE UNIV	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EAB UNIVERSITY: USING WEB-BASED SEMINARS COOPERATIVELY TO PROVIDE INFORMATION ABOUT EAB AND OTHER INVASIVE FOREST HEALTH ISSUES TO TARGETED AUDIENCES.
33	\$199,999	NATIONAL INST OF FOOD & AGRICULTURE	Mota-Sanchez, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	LA COSECHA (THE HARVEST) 2020: ASSISTING LATINO/A BEGINNING FARMERS- COVID RELIEF CHALLENGES
34	\$19,029	MISSISSIPPI STATE UNIV	Pechal, Jennifer	ENTOMOLOGY AGRICULTURE AND NATURAL RES	PILOTING INTEGRATED INSECT-TO-FISH FARMING SYSTEMS IN MALAWI
35	\$14,000	UNIVERSITY OF KENTUCKY	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SCN COALITION: REINFORCING AND MAINTAINING LOCAL EFFORTS AND SUSTAINABLE YIELDS
36	\$25,000	INTL CUT FLOWER ASSOC	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	JOSEPH H. HILL FOUNDATION OF THE INTERNATIONAL CUT FLOWER ASSOCIATION - SMITLEY RESEARCH GIFT
37	\$139,062	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	FACILITATING SPREAD OF THE MICROSPORIDIAN PATHOGEN, OVAVESICULA POPILLIAE, FOR LONG-TERM SUPPRESSION OF JAPANESE BEETLE



**Gift, Grant and Contract Report**  
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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
38	\$162,538	VARIOUS INDUSTRIES	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	WISE TESTING PROJECTS
39	\$23,521	GREAT LAKES FISHERY COMMISSION	Bence, James	FISHERIES AND WILDLIFE	GLFC SUPPORT FOR QFC
40	\$16,021	MINNESOTA DEPT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	MICHIGAN STATE UNIVERSITY QUANTITATIVE FISHERIES CENTER/GREAT LAKES FISHERIES CONSULTING WITH MINNESOTA DEPARTMENT OF NATURAL RESOURCES
41	\$21,362	MICHIGAN DEPT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	QUANTITATIVE SUPPORT FOR INTER-JURISDICTIONAL FISHERIES MANAGEMENT ON THE GREAT LAKES
42	\$172,796	MICHIGAN DEPT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	USING POPULATION AND COMMUNITY DYNAMIC MODELS AND QUANTITATIVE FISHERIES ANALYSIS TO PROMOTE IMPROVED FISHERIES MANAGEMENT IN THE GREAT LAKES. DR. JAMES BENCE PERM AGREEMENT FOR FY2020
43	\$102,218	GREAT LAKES FISHERY COMMISSION	Brenden, Travis	FISHERIES AND WILDLIFE	PERM SALARY FOR TRAVIS BRENDE
44	\$87,189	NATIONAL SCIENCE FOUNDATION	Cheruvilil, Kendra	FISHERIES AND WILDLIFE	COLLABORATIVE RESEARCH: ECR EIE DCL: BROADENING PARTICIPATION OF UNDERREPRESENTED SCHOLARS IN ACADEMIC STEM: THE INFLUENCE OF AN INCLUSIVE CLIMATE ON EARLY-CAREER OUTCOMES
45	\$21,332	MICHIGAN DEPT OF ENVIRONMENTAL QUALITY	Dreelin, Erin	FISHERIES AND WILDLIFE	GENETIC MARKERS FOR SOURCE TRACKING PROJECT
46	\$79,211	MICHIGAN DEPT OF NATURAL RESOURCES	Hayes, Daniel	FISHERIES AND WILDLIFE	POPULATION DYNAMICS AND ASSESSMENT IN MICHIGAN INLAND LAKES AND STREAMS. DR. HAYES PERM SALARY FOR FY 2020.
47	\$7,000	MICHIGAN DEPT OF NATURAL RESOURCES	Infante, Dana	FISHERIES AND WILDLIFE	EFFECTS OF FLOW REDUCTION ON THERMAL DYNAMICS OF STREAMS: IMPROVING AN IMPORTANT LINK IN MICHIGAN'S WATER WITHDRAWAL ASSESSMENT TOOL (WWAT)
48	\$44,054	MICHIGAN DEPT OF NATURAL RESOURCES	Infante, Dana	FISHERIES AND WILDLIFE	INVESTIGATION OF WATERSHED INFLUENCES, RIPARIAN CONDITION, AND INSTREAM HABITAT DYNAMICS ON STREAM FISH COMMUNITIES: DR. INFANTE PERM AGREEMENT FY 2019
49	\$138,250	MICHIGAN DEPT OF NATURAL RESOURCES	Infante, Dana	FISHERIES AND WILDLIFE	SUPPORT FOR REVISION OF STATE WILDLIFE ACTION PLAN
50	\$8,136	UNIVERSITY OF MISSOURI	Infante, Dana	FISHERIES AND WILDLIFE	MODELING WATER QUALITY AND IN-STREAM BIOLOGICAL ENDPOINTS OF AGRICULTURAL CONSERVATION IN THE MISSISSIPPI RIVER BASIN
51	\$23,500	US GEOLOGICAL SURVEY	Infante, Dana	FISHERIES AND WILDLIFE	IMPLEMENTING THE USGS NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTER'S SCIENCE TO ACTION FELLOWSHIP
52	\$88,249	MICHIGAN DEPT OF NATURAL RESOURCES	Infante, Dana	FISHERIES AND WILDLIFE	GREAT LAKES AND INLAND GIS SUPPORT AND DEVELOPMENT FOR MICHIGAN (STATE WILDLIFE ACTION PLAN) SWAP IMPLEMENTATION MSU REF. RC104616

**Gift, Grant and Contract Report**  
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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
53	\$30,000	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Latimore, Jo	FISHERIES AND WILDLIFE	EXOTIC AQUATIC PLANT WATCH (EAPW) III: AQUATIC INVASIVE SPECIES EDUCATION
54	\$67,873	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	PERM SALARY 2022-2025 FOR JOHN HUME
55	\$407,945	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	DR. WEIMING LI PERM AGREEMENT - YEAR 6
56	\$280,000	MICHIGAN DEPT OF NATURAL RESOURCES	Loch, Thomas	FISHERIES AND WILDLIFE	DEVELOPMENT AND IMPLEMENTATION OF A FISH HEALTH INITIATIVE FOR MICHIGAN INLAND AND GREAT LAKES FISHERIES
57	\$10,000	MICHIGAN DEPT OF NATURAL RESOURCES	Owen, Jennifer	FISHERIES AND WILDLIFE	BURKE LAKE BANDING STATION SUPPORT
58	\$62,000	MICHIGAN DEPT OF NATURAL RESOURCES	Riley, Shawn	FISHERIES AND WILDLIFE	PUBLIC ATTITUDES TOWARDS WOLVES AND WOLF MANAGEMENT IN MICHIGAN
59	\$58,828	GREAT LAKES FISHERY COMMISSION	Robinson, Kelly	FISHERIES AND WILDLIFE	MSU - RC105957, GLFC ACCOUNT #71002 - KELLY ROBINSON PERM 2018-2019
60	\$1,526,169	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rose, Joan	FISHERIES AND WILDLIFE	SARS-COV-2 EPIDEMIOLOGY – WASTEWATER EVALUATION AND REPORTING (SEWER) NETWORK
61	\$467,418	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rose, Joan	FISHERIES AND WILDLIFE	SARS-COV-2 EPIDEMIOLOGY – WASTEWATER EVALUATION AND REPORTING (SEWER) NETWORK
62	\$150,000	MICHIGAN DEPT OF NATURAL RESOURCES	Roth, Brian	FISHERIES AND WILDLIFE	EVALUATING COLD-WEATHER MOVEMENTS OF RED SWAMP CRAYFISH FOR UNDER-ICE ERADICATION
63	\$67,224	MICHIGAN DEPT OF NATURAL RESOURCES	Roth, Brian	FISHERIES AND WILDLIFE	FOOD WEB DYNAMICS IN MICHIGAN’S GREAT LAKES AND INLAND LAKES. DR. BRIAN ROTH PERM SALARY FOR FY 2020.
64	\$162,458	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.
65	\$260,881	MICHIGAN DEPT OF NATURAL RESOURCES	Scribner, Kim	FISHERIES AND WILDLIFE	REHABILITATION OF LAKE STURGEON POPULATIONS IN MICHIGAN
66	\$20,000	MICHIGAN LYME DISEASE ASSOC	Tsao, Jean	FISHERIES AND WILDLIFE	FUNDS IN SUPPORT OF ECOLOGICAL RESEARCH IN TICKS AND TICK-BORNE PATHOGENS
67	\$152,974	GREAT LAKES FISHERY COMMISSION	Vandergoot, Christopher	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. CHRISTOPHER VANDERGOOT

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68	\$328,442	CENTER FOR PRODUCE SAFETY	Bergholz, Teresa	FOOD SCIENCE AND HUM NUTRITION ANR	QUANTIFYING RISK ASSOCIATED WITH CHANGES IN EHEC PHYSIOLOGY DURING POST-HARVEST PRE-PROCESSING STAGES OF LEAFY GREEN PRODUCTION.
69	\$31,000	SILENT SPRING INST	Carignan, Courtney	FOOD SCIENCE AND HUM NUTRITION ANR	ASSESSMENT OF PEDIATRIC IMMUNOTOXICITY, PUBLIC EDUCATION, AND CAPACITY-BUILDING IN COMMUNITIES IMPACTED BY PFAS-CONTAMINATED DRINKING WATER
70	\$34,274	AGRICULTURAL RESEARCH SERVICE	Dolan, Kirk	FOOD SCIENCE AND HUM NUTRITION ANR	IMPROVING THE CONSUMER QUALITY OF ORGANIC DRY BEANS THROUGH PLANT GENETIC IMPROVEMENTS AND INNOVATIVE PROCESSING METHODS
71	\$15,000	NORTH CENTRAL SUSTAINABLE AGRICULTURE RESEARCH	Fenton, Jenifer	FOOD SCIENCE AND HUM NUTRITION ANR	ENHANCING THE POLYPHENOLIC CONTENT AND DEMAND OF UPPER MIDWESTERN, LOCALLY PRODUCED BEEF
72	\$16,800	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rogers, Gail	FOOD SCIENCE AND HUM NUTRITION ANR	DIETETIC INTERNSHIP PROJECT 2022-23 (MA-2022)
73	\$87,129	EN SOLUCION INC	Ryser, Elliot	FOOD SCIENCE AND HUM NUTRITION ANR	IMPROVEMENT TO OZONATING WATER FOR POST-HARVEST WASHING THROUGH NANOBUBBLES
74	\$26,000	CALIFORNIA PRUNE BOARD	Turner, Nancy	FOOD SCIENCE AND HUM NUTRITION ANR	COLON CANCER PROTECTION DERIVED FROM PRUNES
75	\$113,079	AMER FORESTS	Clay, Kylie	FORESTRY	LANDSCAPE FOREST CARBON MODELING IN THE STATE OF OREGON
76	\$47,500	WILSON ENGINEERING SERVICES, PC	Clay, Kylie	FORESTRY	FOREST CARBON INVENTORY AND MODELING NEEDS ASSESSMENT
77	\$10,000	THE NATURE CONSERVANCY	Clay, Kylie	FORESTRY	IDENTIFYING KEY PREDICTORS OF HARVEST LIKELIHOOD AND INTENSITY
78	\$21,500	USDA FOREST SERVICE	Cooper, Lauren	FORESTRY	E-LEARNING TRAINING IN CARBON AND CLIMATE FOR PERUVIAN PROFESSIONALS
79	\$20,500	THE NATURE CONSERVANCY	Cooper, Lauren	FORESTRY	FOREST MANAGEMENT, MARKET AND CLIMATE IMPACTS OF MASS TIMBER MATERIALS.
80	\$29,295	THE NATURE CONSERVANCY	Cooper, Lauren	FORESTRY	FCCP PARTNERSHIP ON FORESTS, FOREST PRODUCTS, AND CLIMATE CHANGE MITIGATION
81	\$85,218	USDA FOREST SERVICE	Dowtin, Asia	FORESTRY	URBAN-WILDFIRE (FORESTRY INTEGRATIVE RESEARCH EXPERIENCE): A TSU AND MSU COLLABORATIVE LEARNING OPPORTUNITY
82	\$10,002	SUSTAINABLE FORESTRY INITIATIVE INC	Dowtin, Asia	FORESTRY	URBAN FORESTS, CARBON STORAGE, AND A CHANGING CLIMATE – ADDRESSING KNOWLEDGE GAPS WITH E-LEARNING

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83	\$15,685	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Finley, Andrew	FORESTRY	NASA-USFS PARTNERSHIP TO ADVANCE OPERATIONAL FOREST CARBON MONITORING IN INTERIOR ALASKA
84	\$50,000	USDA FOREST SERVICE	Finley, Andrew	FORESTRY	SMALL DOMAIN ESTIMATION USING STRATEGIC-LEVEL FOREST INVENTORY DATA AND AUXILIARY INFORMATION
85	\$106,200	NATIONAL INST OF FOOD & AGRICULTURE	Huff, Emily	FORESTRY	BUILDING WOODSHED MAPS FOR INDUSTRY, EXTENSION, AND WOODLAND OWNERS IN THE GREAT LAKES STATES
86	\$50,000	BINATIONAL SOFTWOOD LUMBER COUNCIL	Huff, Emily	FORESTRY	MASS (TIMBER) OBJECTIONS: THE ENVIRONMENTAL NGO PERSPECTIVE
87	\$223,796	NATIONAL SCIENCE FOUNDATION	Huff, Emily	FORESTRY	NNA PLANNING: COLLABORATIVE RESEARCH: A HOLISTIC APPROACH TO MONITORING ABRUPT ENVIRONMENTAL SHIFTS IN THE KLUANE LAKE REGION
88	\$375,000	MICHIGAN DEPT OF NATURAL RESOURCES	Kobe, Richard	FORESTRY	MSU-DNR FOREST GENETICIST PERM FACULTY POSITION
89	\$50,000	USDA FOREST SERVICE	Macfarlane, David	FORESTRY	INVESTIGATING NEW NATIONAL TREE BIOMASS MODELS FOR URBAN FIA
90	\$100,000	UNITED SOYBEAN BOARD	Nejad, Mojgan	FORESTRY	DEVELOPMENT OF SOY-LIGNIN POLYURETHANE FLEXIBLE FOAM FOR AUTOMOTIVE APPLICATION
91	\$57,500	UNIVERSITY OF MICHIGAN	Nejad, Mojgan	FORESTRY	LIGNIN-BASED POLYURETHANE FLEXIBLE FOAMS FOR AUTOMOTIVE APPLICATIONS
92	\$495,693	AGRICULTURAL MARKETING SERVICE	Randall, Jesse	FORESTRY	CREATING, EVALUATING, AND DISSEMINATING NEW AND INNOVATIVE DISTILLED MAPLE PRODUCTS TO EXTEND THE SPRING MAPLE SEASON BY 25-35%.
93	\$275,424	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Skole, David	FORESTRY	NEW TRANSITIONS IN SMALLHOLDER AGRICULTURAL SYSTEMS THAT PROMOTE INCREASED TREE COVER OUTSIDE OF FORESTS
94	\$858,342	MICHIGAN DEPT OF NATURAL RESOURCES	Walters, Michael	FORESTRY	NORTHERN HARDWOOD ALTERNATIVE SILVICULTURAL SYSTEMS
95	\$39,999	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Brandt, Kathryn	HORTICULTURE ANR	MICHIGAN SUSTAINABLE FARM MENTORS
96	\$6,500	NORTH AMER STRAWBERRY GROWERS RESEARCH FOUNDATION	Chaudhari, Sushila	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF WEED MANAGEMENT RESEARCH

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97	\$57,722	SAINT LOUIS UNIV	Chitwood, Daniel	HORTICULTURE ANR	RESEARCH-PGR: ADAPTING PERENNIAL CROPS FOR CLIMATE CHANGE: GRAFT TRANSMISSIBLE EFFECTS OF ROOTSTOCKS ON GRAPEVINE SHOOTS
98	\$24,951	CHRISTMAS TREE PROMOTION BOARD	Cregg, Bert	HORTICULTURE ANR	MANAGING CONE FORMATION IN ABIES CHRISTMAS TREE SPECIES
99	\$578,907	UNIVERSITY OF GEORGIA	Edger, Patrick	HORTICULTURE ANR	MULTIPLE ORIGINS OF TUBER FORMATION: EVOLUTION OF A UNIQUE STORAGE ORGAN
100	\$14,883	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Kohler, Andrea	HORTICULTURE ANR	IMPROVING SUSTAINABILITY OF NORTH CENTRAL REGION PEACH PRODUCTION THROUGH NOVEL TRAINING SYSTEMS AND OPTIMIZATION OF BRANCH ANGLE.
101	\$6,000	BALL HORTICULTURAL CO	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF FLORICULTURE RESEARCH.
102	\$13,000	FRED C GLOECKNER FOUNDATION	Lopez, Roberto	HORTICULTURE ANR	DEVELOPING PRODUCTION PROTOCOLS FOR POTTED SUCCULENTS
103	\$70,000	AGRICULTURAL RESEARCH SERVICE	Song, Guo-Qing	HORTICULTURE ANR	DEVELOP AND APPLY NOVEL GENE EDITING TOOLS FOR IMPROVING FLOWERING TRAITS OF HORTICULTURAL AND FLORICULTURAL PLANTS
104	\$10,500	MICHIGAN BEAN COMMISSION	Bales, Scott	PLANT SOIL AND MICROBIAL SCIENCES	MILLING TECHNOLOGY MICHIGAN BEAN
105	\$898,475	NATIONAL SCIENCE FOUNDATION	Bonito, Gregory	PLANT SOIL AND MICROBIAL SCIENCES	COLLABORATIVE RESEARCH: MIM: THE IMPACT OF THE FUNGAL MICROBIOME IN METAL TOLERANCE AND SOIL BIOGEOCHEMICAL TRANSFORMATIONS
106	\$36,635	VARIOUS INDUSTRIES	Cassida, Kimberly	PLANT SOIL AND MICROBIAL SCIENCES	OLSON TESTING PROJECTS
107	\$20,000	SOUTHERN ILLINOIS UNIV	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	SEEDLING PATHOGENS IN THE SOYBEAN PRODUCTION CYCLE: MANAGEMENT AND COMMUNICATION
108	\$15,000	AGRICULTURAL RESEARCH SERVICE	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	HYPERSPECTRAL IMAGING FOR EARLY DETECTION AND CONTROL OF POTATO DISEASES
109	\$6,000	MICHIGAN TURFGRASS FOUNDATION	Frank, Kevin	PLANT SOIL AND MICROBIAL SCIENCES	2021-22 TURFGRASS RESEARCH
110	\$75,549	AGRICULTURAL RESEARCH SERVICE	Gomez, Francisco	PLANT SOIL AND MICROBIAL SCIENCES	BEAN FLOUR EVALUATION AND PRODUCT DEVELOPMENT
111	\$749,999	NATIONAL INST OF FOOD & AGRICULTURE	Guber, Andrey	PLANT SOIL AND MICROBIAL SCIENCES	MICRO-SCALE BIOPHYSICAL FRAMEWORKS PROMOTING C GAINS IN COVER CROP-BASED SYSTEMS
112	\$757,260	NATIONAL INST OF FOOD & AGRICULTURE	Hammerschmidt, Raymond	PLANT SOIL AND MICROBIAL SCIENCES	NORTH CENTRAL PLANT DIAGNOSTIC NETWORK

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113	\$193,642	CLEMSON UNIV	Hammerschmidt, Raymond	PLANT SOIL AND MICROBIAL SCIENCES	SOLUTIONS TO THE ARMILLARIA ROOT ROT THREAT AFFECTING THE U.S. STONE FRUIT INDUSTRY
114	\$116,279	AGRICULTURAL RESEARCH SERVICE	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	ADVANCING NOVEL TACTICS AND TRIAGING FUNGICIDE RESISTANCE FOR BOTRYTIS CINEREA AND OTHER PROFIT-LIMITING PATHOGENS
115	\$13,750	PICKLE PACKERS INTL INC	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	MONITORING THE DOWNY MILDEW PATHOGEN FOR RESISTANCE TO FUNGICIDES USING FIELD AND MOLECULAR TOOLS
116	\$117,650	RUTGERS UNIV	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	ENHANCED MITIGATION AND DETECTION OF BASIL, CUCURBIT, AND IMPATIENS DOWNY MILDEWS
117	\$21,000	MICHIGAN BEAN COMMISSION	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	MICHIGAN BEAN COMMISSION
118	\$82,368	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
119	\$80,000	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
120	\$18,975	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
121	\$36,740	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
122	\$100,000	POTATOES USA	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	NATIONAL CHIP POTATO VARIETY COMMERCIALIZATION PROGRAM MANAGEMENT
123	\$6,000	MICHIGAN TURFGRASS FOUNDATION	Merewitz Holm, Emily	PLANT SOIL AND MICROBIAL SCIENCES	2021-22 TURFGRASS RESEARCH
124	\$749,163	NATIONAL INST OF FOOD & AGRICULTURE	Miesel, Jessica	PLANT SOIL AND MICROBIAL SCIENCES	SUSTAINING CRITICAL FOREST ECOSYSTEM SERVICES FROM THE GROUND UP: EVALUATING THE CONSEQUENCES OF BURN SEVERITY ON SOIL HEALTH
125	\$47,024	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	VALIDATION OF A RAPID, HIGH THROUGHPUT SCREENING ASSAY FOR PHYTOPHTHORA RAMORUM USING ISOTHERMAL RECOMBINASE POLYMERASE AMPLIFICATION
126	\$19,000	CALIFORNIA DEPT OF FOOD & AGRICULTURE	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	MARTIN/MILES – DEVELOPMENT OF A MOLECULAR DIAGNOSTIC ASSAY FOR PYTHIUM UNCINULATUM.”
127	\$161,500	VARIOUS INDUSTRIES	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	MILES PSM TESTING
128	\$6,000	MICHIGAN TURFGRASS FOUNDATION	Nikolai, Thomas	PLANT SOIL AND MICROBIAL SCIENCES	2021-22 TURFGRASS RESEARCH

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129	\$63,888	NORTH CAROLINA STATE UNIV	Renner, Karen	PLANT SOIL AND MICROBIAL SCIENCES	ENHANCING THE SUSTAINABILITY OF US CROPPING SYSTEMS THROUGH COVER CROPS AND AN INNOVATIVE INFORMATION AND TECHNOLOGY NETWORK
130	\$6,000	MICHIGAN TURFGRASS FOUNDATION	Rogers, John	PLANT SOIL AND MICROBIAL SCIENCES	2021-22 TURFGRASS RESEARCH
131	\$10,000	MYCOLOGICAL SOCIETY OF AMERICA	Sakalidis, Monique	PLANT SOIL AND MICROBIAL SCIENCES	CALICIOPSIS CANKER: CHARACTERIZATION, DETECTION AND RISK TO CONIFEROUS HOSTS
132	\$44,709	MICHIGAN WHEAT PROGRAM	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATING THE ROLE OF SEED PLACEMENT AND PLANTING STRATEGIES IN OPTIMIZING YIELD, QUALITY, AND PROFITABILITY IN WINTER WHEAT
133	\$17,877	MICHIGAN WHEAT PROGRAM	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	STRATEGIES TO MANAGE HORSEWEED (MARESTAIL) IN WINTER WHEAT - YEAR 2
134	\$12,600	MONSANTO CO	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	TESTING OF MONSANTO PRODUCTS
135	\$18,469	MICHIGAN WHEAT PROGRAM	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	WINTER WHEAT HERBICIDE EFFECTS ON COVER CROP ESTABLISHMENT - YEAR 2
136	\$27,550	VARIOUS INDUSTRIES	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	SPRAGUE PSM TESTING
137	\$86,250	VARIOUS INDUSTRIES	Steinke, Kurt	PLANT SOIL AND MICROBIAL SCIENCES	STEINKE PSM TESTING
138	\$52,900	VARIOUS INDUSTRIES	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	SUNDIN PSM TESTING
139	\$500,000	NATIONAL SCIENCE FOUNDATION	Thomashow, Michael	PLANT SOIL AND MICROBIAL SCIENCES	RESEARCH PGR: THE TEMPERATURE-IMMUNITY NEXUS: ACTIVATION OF IMMUNITY BY LOW TEMPERATURE
140	\$237,823	UNIVERSITY OF NEBRASKA - LINCOLN	Thompson, Addie	PLANT SOIL AND MICROBIAL SCIENCES	TGCM: (T)RAIT, (G)ENE, AND (C)ROP GROWTH (M)ODEL DIRECTED TARGETED GENE CHARACTERIZATION IN SORGHUM
141	\$6,000	MICHIGAN TURFGRASS FOUNDATION	Vargas, Joseph	PLANT SOIL AND MICROBIAL SCIENCES	2021-22 TURFGRASS RESEARCH
142	\$94,690	VARIOUS INDUSTRIES	Vargas, Joseph	PLANT SOIL AND MICROBIAL SCIENCES	VARGAS PSM TESTING
143	\$100,229	UNITED SOYBEAN BOARD	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	CONTINUE DEVELOPMENT AND COMMERCIALIZATION OF NON-GMO HIGH OLEIC VARIETIES IN MATURITY GROUPS I TO III
144	\$16,000	AGRICULTURAL RESEARCH SERVICE	Willbur, Jaime	PLANT SOIL AND MICROBIAL SCIENCES	HYPERSPECTRAL IMAGING FOR EARLY DETECTION AND CONTROL OF POTATO DISEASES
145	\$77,650	VARIOUS INDUSTRIES	Willbur, Jaime	PLANT SOIL AND MICROBIAL SCIENCES	WILLBUR PSM TESTING

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146	\$32,539	US ARMY CORPS OF ENGINEERS	Cui, Yue	SCHOOL OF PLANNING DES CONSTRUCTION ANR	2021-22 IPA
147	\$30,000	MICHIGAN DEPT OF NATURAL RESOURCES	Kim, Jun Hyun	SCHOOL OF PLANNING DES CONSTRUCTION ANR	SUSTAINABLE PARK DESIGN VISION PLAN
<b>COLLEGE OF ARTS AND LETTERS</b>					
148	\$971,000	THE ANDREW W MELLON FOUNDATION	Fitzpatrick, Kathleen	AL RESEARCH AND SCHOLARSHIP	EXPANDING THE COMMONS
149	\$519,541	NATIONAL SCIENCE FOUNDATION	O'Rourke, Michael	AL RESEARCH AND SCHOLARSHIP	BUILDING CAPACITY FOR INTERNATIONAL NETWORK-TO-NETWORK COLLABORATION
150	\$60,000	AMER COUNCIL OF LEARNED SOCIETIES	Paula, Leonora	ENGLISH	REIMAGINING THE BRAZILIAN CITY: BLACK FEMINISM, SPATIAL IDENTITY AND CONTEMPORARY URBAN CULTURE
151	\$265,830	NATIONAL SCIENCE FOUNDATION	Sneller, Betsy	LINGUISTICS, LANGUAGES, AND CULTURES	MI DIARIES: BUILDING AN INFRASTRUCTURE FOR LONGITUDINAL DATA COLLECTION
152	\$17,177	UNIVERSITY OF MICHIGAN	Khalil, Mohammad	RELIGIOUS STUDIES	DIGITAL ISLAMIC STUDIES CURRICULUM (DISC)
<b>ELI BROAD COLLEGE OF BUSINESS</b>					
153	\$310,161	NATIONAL SCIENCE FOUNDATION	Pentland, Brian	ACCOUNTING AND INFORMATION SYSTEMS	COLLABORATIVE RESEARCH: DISRUPTION AND RESILIENCE IN HEALTHCARE ROUTINES FOLLOWING ADVERSE EVENTS
154	\$249,998	CALIFORNIA DEPT OF TRANSPORTATION	Frayar, David	EXECUTIVE DEVELOPMENT PROGRAMS	ZERO-EMISSION RAIL FEASIBILITY
155	\$59,175	MICHIGAN ECONOMIC DEVELOPMENT CORP	Kirca, Ahmet	INTERNATIONAL BUSINESS CENTER	MEDC MSF INTERNATIONAL TRADE: SMALL BUSINESS SERVICES 2017-2022 WITH ANNUAL EXTENSIONS: PERIOD 2018-2019 (2/5) ORIGINAL MSU PROPOSAL #26889.
156	\$350,000	NATIONAL SCIENCE FOUNDATION	Connally, Quinetta	MANAGEMENT	DIVERSITY AS AN ORGANIZATIONAL CAPABILITY: A MULTILEVEL EXAMINATION OF BOARD COMPOSITION AND FIRM EFFECTIVENESS
157	\$104,304	US ARMY RESEARCH INST FOR THE BEHAVIORAL & SOCIAL SCIENCES	Morgeson, Frederick	MANAGEMENT	THE CONTEXT OF UNIT RESILIENCE: EXPLORING THE ROLE OF DISRUPTIVE EVENTS IN CHALLENGING OR PROMOTING UNIT RESILIENCE AND EFFECTIVENESS (RESEARCH TOPIC C.1)
<b>COLLEGE OF COMMUNICATION ARTS SCIENCES</b>					
158	\$10,000	FRED ROGERS PRODUCTIONS	Elkins, Susanne	BROADCASTING SERVICES	2021-2022 FRED ROGERS PRODUCTIONS - BE MY NEIGHBOR DAY



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159	\$57,789	BRIGHAM YOUNG UNIV	Hunter, Eric	COMMUNICATIVE SCIENCES DISORDERS CAS	IMAGING AND INFLUENCE OF GLOTTIC AND SUBGLOTTIC ANATOMY IN HEALTHY AND STENOTIC PATIENTS
160	\$75,868	NATIONAL INST OF HEALTH	Walsh, Bridget	COMMUNICATIVE SCIENCES DISORDERS CAS	DEVELOPMENTAL TRAJECTORIES TO STUTTERING PERSISTENCE AND RECOVERY
161	\$16,741	EMALEX BIOSCIENCES LLC	Yaruss, J Scott	COMMUNICATIVE SCIENCES DISORDERS CAS	EBS-101-COFD-201:A MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL GROUP PHASE 2 EXPLORATORY STUDY TO EVALUATE EFFICACY/SAFETY OF ECOPIPAM IN ADULTS WITH CHILDHOOD ONSET STUTTERING
162	\$15,000	ROBERT WOOD JOHNSON FOUNDATION	Chinni, Dante	JOURNALISM	SUPPORTING PRODUCTION OF A SHORT DOCUMENTARY TO SHOWCASE COMMUNITY CONDITIONS ESSENTIAL FOR HEALTH AND HIGHLIGHT INNOVATIVE COMMUNITY-LED SOLUTIONS IN ACHIEVING HEALTH EQUITY
163	\$191,420	NATIONAL INST OF HEALTH	Argyris, Young	MEDIA AND INFORMATION	DEVELOPMENT OF A VACCINE INFORMATICS SYSTEM AND ITS APPLICATION TO IDENTIFYING THE IMPACT OF VACCINE DEBATE ON IMMUNIZATION RATES DURING A GLOBAL PANDEMIC
164	\$243,305	COMPUTING RESEARCH ASSOC	Hardy, Jean	MEDIA AND INFORMATION	2021 CI FELLOWS SUBAWARD AGREEMENT FOR ANNE JONAS
165	\$247,073	INST OF MUSEUM & LIBRARY SERVICES	Lee, Hee Rin	MEDIA AND INFORMATION	AI & CO-DESIGN IN PUBLIC LIBRARIES: EMPOWERING UNDERSERVED YOUTH TO CULTIVATE SYMBIOTIC RELATIONSHIPS BETWEEN ARTIFICIAL INTELLIGENCE (AI) AND THEIR COMMUNITIES
166	\$1,188,386	NATIONAL SCIENCE FOUNDATION	Ratan, Rabindra	MEDIA AND INFORMATION	FW-HTF-R: COLLABORATIVE RESEARCH: THE FUTURE OF VIRTUAL TEAM MEETINGS: ENHANCING WELL-BEING AND EQUITY FOR GAME DEVELOPERS
167	\$468,874	MICHIGAN DEPT OF LICENSING & REGULATORY AFFAIRS	Swierenga, Sarah	MEDIA AND INFORMATION	MICHIGAN WORKFORCE BACKGROUND CHECK FY22
168	\$15,000	GOOGLE INC	Wyche, Susan	MEDIA AND INFORMATION	EXPLORECSR
169	\$58,378	NATIONAL INST OF HEALTH	Wyche, Susan	MEDIA AND INFORMATION	BUILDING CAPACITY IN HUMAN-CENTERED DESIGN: DEVELOPING A DIABETES MHEALTH APPLICATION FOR AND WITH KENYAN ADOLESCENTS
<b>COLLEGE OF EDUCATION</b>					
170	\$382,000	NATIONAL SCIENCE FOUNDATION	Beverly, Christel	CED OFFICE OF THE DEAN	PFI-RP: MOBILE TECHNOLOGY TO IMPROVE STEM COLLEGE AND CAREER AWARENESS FOR UNDERSERVED HIGH SCHOOL STUDENTS
171	\$137,802	NATIONAL SCIENCE FOUNDATION	Schneider, Barbara	CED OFFICE OF THE DEAN	PIRE: CRAFTING OPTIMAL LEARNING IN SCIENCE ENVIRONMENTS
172	\$57,839	WESTERN MICHIGAN UNIV	Beverly, Bryan	CED OUTREACH	WESTERN MICHIGAN UNIVERSITY HIL PROJECT: HIGH-IMPACT LEADERSHIP FOR SCHOOL RENEWAL - YEAR 2

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173	\$500,000	FLINT COMMUNITY SCHOOLS	Beverly, Bryan	CED OUTREACH	FLINT COMMUNITY SCHOOLS FELLOWSHIP OF INSTRUCTIONAL LEADERS 2021-2022
174	\$92,852	CHARLES STEWART MOTT FOUNDATION	Beverly, Bryan	CED OUTREACH	TECHNICAL ASSISTANCE FOR IMPROVED TEACHING AND LEARNING, COMPREHENSIVE SYSTEM FOR RAPID DISTRICT INTERVENTION FOR FLINT COMMUNITY SCHOOLS-YEAR 6
175	\$50,000	MICHIGAN STATE POLICE	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	STOP SCHOOL VIOLENCE
176	\$654,820	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	IMPROVING SERVICE DELIVERY FOR CHILDREN WITH SED
177	\$37,737	VANDERBILT UNIV	Cho, Eunsoo	COUNSELING, EDUC PSYCH & SPEC EDUC	NATIONAL CENTER FOR LEADERSHIP IN INTENSIVE INTERVENTION (NCLII)
178	\$27,311	GRAND VALLEY STATE UNIV	Frank, Kenneth	COUNSELING, EDUC PSYCH & SPEC EDUC	MISTEM NETWORK REGIONS SUPPORT FOR THE MICHIGAN MERIT CURRICULUM
179	\$56,169	TEACHERS COLLEGE COLUMBIA UNIV	Frank, Kenneth	COUNSELING, EDUC PSYCH & SPEC EDUC	UNDERSTANDING FIRST-GENERATION COLLEGE STUDENTS' CONNECTIONS TO SUPPORT ON AND OFF CAMPUS
180	\$1,049,870	MICHIGAN REHABILITATION SERVICES	Pi, Sukyeong	COUNSELING, EDUC PSYCH & SPEC EDUC	MICHIGAN DEPARTMENT OF REHABILITATION SERVICES PROGRAM EVALUATION PROJECT EXCELLENCE
181	\$30,739	SIMMERSON	Sung, Connie	COUNSELING, EDUC PSYCH & SPEC EDUC	APPLIED SOCIAL COGNITIVE SKILLS IN THE WORKPLACE FOR TRANSITION-AGED YOUTH WITH AUTISM SPECTRUM DISORDER
182	\$85,408	CALIFORNIA STATE UNIVERSITY LOS ANGELES	Sung, Connie	COUNSELING, EDUC PSYCH & SPEC EDUC	COMMUNITY-BASED SOFT SKILLS AND EMPLOYMENT READINESS TRAINING PROGRAM FOR TRANSITION-AGE STUDENTS WITH INTELLECTUAL AND DEVELOPMENTAL DISABILITIES THROUGH VIRTUAL LEARNING PLATFORM
183	\$85,000	US DEPT OF THE ARMY	Sung, Connie	COUNSELING, EDUC PSYCH & SPEC EDUC	EVALUATING AN EMPLOYMENT-RELATED SOCIAL SKILLS TRAINING PROGRAM FOR TRANSITION-AGE YOUTH WITH AUTISM (THE ASSET PROGRAM): A RANDOMIZED CONTROLLED TRIAL STUDY
184	\$227,999	US DEPT OF EDUCATION	Witmer, Sara	COUNSELING, EDUC PSYCH & SPEC EDUC	HYBRID INTERDISCIPLINARY TRAINING TO ADDRESS HIGH INTENSITY NEEDS OF STUDENTS WITH LEARNING DISABILITIES (PROJECT HI2LD)
185	\$347,497	NATIONAL SCIENCE FOUNDATION	Yadav, Aman	COUNSELING, EDUC PSYCH & SPEC EDUC	COLLABORATIVE RESEARCH: MOVING BEYOND ACCESS, INCREASING TEACHER KNOWLEDGE TO TEACH RIGOROUS EQUITY-FOCUSED HIGH SCHOOL COMPUTING.
186	\$245,000	DETROIT PUBLIC SCHOOLS	Kolonich, Angela	CREATE FOR STEM	DETROIT PS PROFESSIONAL DEVELOPMENT
187	\$100,000	VARIOUS SCHOOLS	Markle, Barbara	EDUCATION DEAN	K-12 SCHOOL IMPROVEMENT TRAINING
188	\$200,000	VARIOUS SCHOOLS	Paine, Lynn	EDUCATION DEAN	CHINESE TEACHER CERTIFICATION PROGRAM

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189	\$337,247	TULANE UNIV	Cowen, Joshua	EDUCATION POLICY CENTER	THE SCHOOL CHOICE POLICY RESEARCH CENTER: IMPROVING POLICY, IMPLEMENTATION, AND OUTCOMES FOR DISADVANTAGED STUDENTS
190	\$600,000	MICHIGAN DEPT OF EDUCATION	Strunk, Katharine	EDUCATION POLICY CENTER	COVID-19 IMPACT ON LEARNING
191	\$25,001	AMER INSTS FOR RESEARCH	Strunk, Katharine	EDUCATION POLICY CENTER	CALDER 4.0
192	\$100,000	MICHIGAN DEPT OF EDUCATION	Strunk, Katharine	EDUCATION POLICY CENTER	MICHIGAN PA 316 TEACHER WORKFORCE RESEARCH
193	\$1,009,405	US AGENCY FOR INTL DEVELOPMENT	Wawrzynski, Matthew	EDUCATIONAL ADMINISTRATION	MSUCDC
194	\$78,250	NATIONAL INST OF HEALTH	Ferguson, David	KINESIOLOGY - ED	DETERMINATION OF THE MICROBIOME OF GROWTH RESTRICTED MICE
195	\$130,549	NIKE INC	Kuenze, Christopher	KINESIOLOGY - ED	PRODUCTS AND SERVICES
196	\$5,970,605	US AGENCY FOR INTL DEVELOPMENT	Malete, Leapetswe	KINESIOLOGY - ED	USAID EMPOWERED YOUTH (KEY)
197	\$13,860	MICHIGAN COLLEGE ACCESS NETWORK	Marciano, Joanne	TEACHER EDUCATION	THE MCAN PARTICIPATORY COLLEGE PLANNING COURSE CURRICULUM PROJECT
198	\$25,000	FORD MOTOR CO FUND	Parks, Amy	TEACHER EDUCATION	MATH IN THE OUTDOORS
<b>COLLEGE OF ENGINEERING</b>					
199	\$251,000	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
200	\$75,000	US DEPT OF ENERGY	Boehlert, Carl	CHEMICAL ENGINEERING AND MATERIALS SCI	CHARACTERIZATION AND MODELING OF DEFORMATION INDUCED DAMAGE IN HEXAGONAL METALS
201	\$35,926	MICHIGAN TECHNOLOGICAL UNIVERSITY	Morelli, Donald	CHEMICAL ENGINEERING AND MATERIALS SCI	OPTIMIZING THE THERMOELECTRIC PERFORMANCE OF TETRAHEDRITE FOR COLD SPRAY APPLICATIONS IN WASTE HEAT RECOVERY
202	\$111,378	MINNESOTA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	EXAMINATION OF INNOVATIVE COLD-IN-PLACE RECYCLING SECTIONS FOR LEACHATES
203	\$125,000	WISCONSIN DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	WEIGHT-VOLUME RELATIONSHIPS AND CONVERSION FACTORS FOR SOILS AND AGGREGATES OF WISCONSIN

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204	\$98,942	STATE OF IOWA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	FEASIBILITY OF GRANULAR ROAD AND SHOULDER RECYCLING-PHASE II
205	\$279,999	US DEPT OF ENERGY	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	SIMULATION, CHALLENGE TESTING & VALIDATION OF OCCUPANCY RECOGNITION & CO2 TECHNOLOGIES
206	\$18,315	US DEPT OF STATE	Chatti, Karim	CIVIL AND ENVIRONMENTAL ENGINEERING	TECHNICAL SUPPORT FOR SUBMISSION OF ABET ACCREDITATION OF 'ECOLE POLYTECHNIQUE DE TUNISIE' (EPT)
207	\$398,770	POLYTECHNIQUE MONTREAL	Chatti, Karim	CIVIL AND ENVIRONMENTAL ENGINEERING	PARTNER INSTITUTION FOR THE DEVELOPMENT OF A MASTER'S DEGREE PROGRAM IN INFRASTRUCTURE MANAGEMENT IN COTE D'IVOIR
208	\$180,150	US DEPT OF ENERGY	Dargazany, Roozbeh	CIVIL AND ENVIRONMENTAL ENGINEERING	A HYBRID PHYSICS-BASED DATA-DRIVEN APPROACH TO MODEL DAMAGE ACCUMULATION IN CORROSION OF POLYMERIC ADHESIVES
209	\$109,000	MICHIGAN OFFICE OF HIGHWAY SAFETY PLANNING	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	SEAT BELT AND HAND-HELD DEVICE USE DIRECT OBSERVATION SURVEY (FY22)
210	\$172,100	MICHIGAN FITNESS FOUNDATION	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	TECHNICAL SUPPORT FOR MICHIGAN SAFE ROUTES TO SCHOOL - FY2020
211	\$360,000	MICHIGAN ENERGY OFFICE	Ghamami, Mehrnaz	CIVIL AND ENVIRONMENTAL ENGINEERING	ELECTRIC VEHICLE CHARGER PLACEMENT OPTIMIZATION PROJECT - NEW \$10K
212	\$192,622	MINNESOTA DEPT OF TRANSPORTATION	Haider, Syed	CIVIL AND ENVIRONMENTAL ENGINEERING	BMP FOR ISSUES WITH ASPHALT CENTERLINE JOINT INTELLIGENT COMPACTION FOR LOCAL AGENCIES
213	\$33,000	NATIONAL CENTER FOR MANUFACTURING SCIENCE	Haq, Mahmoodul	CIVIL AND ENVIRONMENTAL ENGINEERING	FATIGUE AND DURABILITY OF REVERSIBLE ADHESIVES AND JOINTS
214	\$45,000	ENGINEERING AND SOFTWARE CONSULTANTS INC (ESC)	Kutay, Muhammed	CIVIL AND ENVIRONMENTAL ENGINEERING	(SBIR) ACCELERATING PERFORMANCE TESTING USING THE ASPHALT MIXTURE PERFORMANCE TESTER (AMPT) EQUIPMENT
215	\$77,725	NATIONAL SCIENCE FOUNDATION	Pokhrel, Yadu	CIVIL AND ENVIRONMENTAL ENGINEERING	BLUEGEM: BIOSPHERE AND LAND USE EXCHANGES WITH GROUNDWATER AND SOILS IN EARTH SYSTEM MODELS

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216	\$117,197	NATIONAL SCIENCE FOUNDATION	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	REU SITE: SOCIOMOBILITY
217	\$1,230,795	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 VARIANTS
218	\$404,338	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 VARIANTS
219	\$46,542	COLLABORATIVE COMPOSITE SOLUTIONS CORP	Drzal, Lawrence	COMPOSITE MATERIALS AND STRUCTURES CTR	IACMI TASK 3.9: MSU DURA BASF BUDGET
220	\$500,000	NATIONAL SCIENCE FOUNDATION	Murillo, Michael	COMPUTATIONAL MATH SCI AND ENGR EGR	ATOMISTIC MACROSCOPIC SIMULATIONS OF COLLISIONAL PLASMAS
221	\$60,000	WEST VIRGINIA UNIV	Boddeti, Vishnu	COMPUTER SCIENCE AND ENGINEERING	CITER-FULLY HOMOMORPHIC ENCRYPTION IN BIOMETRICS
222	\$30,000	NORTHEASTERN UNIV	Dillon, Laura	COMPUTER SCIENCE AND ENGINEERING	CENTER FOR INCLUSIVE COMPUTING GRANT
223	\$36,067	HENRY FORD HEALTH SYSTEM	Ghassemi, Mohammad	COMPUTER SCIENCE AND ENGINEERING	DEVELOPING A SYSTEM TO PROVIDE AI-ASSISTED PROTOCOLING OF ADVANCED RADIOLOGY EXAMINATIONS
224	\$75,000	OFFICE OF NAVAL RESEARCH	Kordjamshidi, Parisa	COMPUTER SCIENCE AND ENGINEERING	A DECLARATIVE LEARNING BASED PROGRAMMING FRAMEWORK FOR INTEGRATION OF DOMAIN KNOWLEDGE AND STATISTICAL LEARNING
225	\$95,000	GEORGIA INST OF TECHNOLOGY	Liu, Sijia	COMPUTER SCIENCE AND ENGINEERING	ULTRA-LIGHT VIDEO INTELLIGENCE BY DATA-CIRCUIT-MODEL TRI-DESIGN: IN-PIXEL FILTERING, IN-MEMORY FOCUSING, AND IN-LOOP OPTIMIZATION
226	\$37,500	QUALCOMM	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	GIFT - COMPUTER VISION RESEARCH
227	\$893,149	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	PHYSICS-DRIVEN MODELING AND LEARNING FOR PERSON RECOGNITION AT A DISTANCE AND ALTITUDE
228	\$63,000	ROBERT BOSCH LLC RESEARCH & TECHNOLOGY CENTER	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	COMPUTER VISION RESEARCH
229	\$37,500	QUALCOMM	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	GIFT - COMPUTER VISION RESEARCH
230	\$70,000	URUS ENTERTAINMENT INC	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	COMPUTER VISION RESEARCH

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231	\$34,000	WEST VIRGINIA UNIV	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	BIOMETRICS IMAGE ASSURANCE: FROM HARDWARE TO SOFTWARE
232	\$150,000	NATIONAL SCIENCE FOUNDATION	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	PHASE II IUCRC MICHIGAN STATE UNIVERSITY: CENTER FOR IDENTIFICATION TECHNOLOGY RESEARCH (CITER)
233	\$60,000	WEST VIRGINIA UNIV	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	BIOMETRICS IMAGE ASSURANCE: FROM HARDWARE TO SOFTWARE
234	\$626,000	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	PRESENTATION ATTACK DETECTION: SOLUTIONS FOR FINGERPRINTS, FACE AND IRIS SYSTEMS
235	\$138,192	FRAUNHOFER USA	Asmussen, Jes	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER CENTER RENEWAL
236	\$89,218	APPLIED RESEARCH ASSOCIATES INC	Balasubramaniam, Shanker	ELECTRICAL AND COMPUTER ENGINEERING	RF ANALYSIS AND VALIDATION ENGINEERING SOFTWARE (RAVENS)
237	\$424,394	NATIONAL SCIENCE FOUNDATION	Biswas, Subir	ELECTRICAL AND COMPUTER ENGINEERING	COLLABORATIVE RESEARCH: USING AI-ENABLED SMART BLOCKS TO UNDERSTAND AND SUPPORT SPATIAL REASONING AND LEARNING
238	\$65,000	GENERAL MOTORS CORP	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	KNOWLEDGE ASSISTED INTERACTIVE DESIGN OPTIMIZATION (KAIDO)
239	\$240,000	SUZHOU MAXWELL TECHNOLOGIES CO LTD	Fan, Qi	ELECTRICAL AND COMPUTER ENGINEERING	RESEARCH ON OPTOELECTRONIC THIN FILMS
240	\$212,617	ARIZONA STATE UNIV	Grotjohn, Timothy	ELECTRICAL AND COMPUTER ENGINEERING	ULTRA MATERIALS FOR A RESILIENT, SMART ELECTRICITY GRID
241	\$100,000	UNIVERSITY OF WISCONSIN MADISON	Grotjohn, Timothy	ELECTRICAL AND COMPUTER ENGINEERING	INVESTIGATION OF NITRIDE/DIAMOND HETEROSTRUCTURES FOR LATERAL RF DEVICES
242	\$57,500	MICHIGAN TECHNOLOGICAL UNIVERSITY	Grotjohn, Timothy	ELECTRICAL AND COMPUTER ENGINEERING	CHEMICAL MECHANICAL POLISHING OF DIAMOND SUBSTRATES FOR ELECTRONICS
243	\$80,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Lee, Woongkul	ELECTRICAL AND COMPUTER ENGINEERING	AERIAL INTRA-CITY DELIVERY ELECTRIC DRONES (AIDED) WITH HIGH PAYLOAD CAPACITY
244	\$60,000	SANDIA NATIONAL LABORATORIES	Mitra, Joydeep	ELECTRICAL AND COMPUTER ENGINEERING	SANDIA PROJECT TBD
245	\$25,000	HONEYWELL CORP	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	MSU RADAR CONSORTIUM

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246	\$79,084	IOWA STATE UNIV	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	SCC-IRG TRACK 1: CONNECTING FARMING COMMUNITIES FOR SUSTAINABLE CROP PRODUCTION AND ENVIRONMENT USING SMART AGRICULTURAL DRAINAGE SYSTEMS
247	\$20,000	AMER SOCIETY FOR NONDESTRUCTIVE TESTING	Udpa, Lalita	ELECTRICAL AND COMPUTER ENGINEERING	DESIGN OF METAMATERIAL LENS FOR ENHANCING FAR FIELD MICROWAVE IMAGING RESOLUTION
248	\$2,114,195	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Verboncoeur, John	ELECTRICAL AND COMPUTER ENGINEERING	MULTIPACTOR AND BREAKDOWN SUSCEPTIBILITY AND MITIGATION IN SPACE-BASED RF SYSTEMS
249	\$170,935	JOHNS HOPKINS UNIV	Gilad, Assaf	INSTITUTE FOR QUANTITATIVE HEALTH	RESOURCE FOR MOLECULAR IMAGING AGENTS IN PRECISION MEDICINE
250	\$579,888	NATIONAL INST OF HEALTH	Gilad, Assaf	INSTITUTE FOR QUANTITATIVE HEALTH	EVOLUTION AND OPTIMIZATION OF SYNTHETIC <READ/WRITE> FUNCTION FROM AND INTO CELLS USING GENETIC PROGRAMMING
251	\$263,842	MASSACHUSETTS GENERAL HOSPITAL	Gilad, Assaf	INSTITUTE FOR QUANTITATIVE HEALTH	ARTIFICIAL INTELLIGENCE BOOSTED EVOLUTION AND DETECTION OF GENETICALLY ENCODED REPORTERS FOR IN VIVO IMAGING
252	\$72,518	NATIONAL SCIENCE FOUNDATION	Purcell, Erin	INSTITUTE FOR QUANTITATIVE HEALTH	CAREER: GENETIC APPROACHES TO ESTABLISH DESIGN RULES FOR IMPLANTABLE NEUROTECHNOLOGY
253	\$481,146	NATIONAL INST OF HEALTH	Spence, Dana	INSTITUTE FOR QUANTITATIVE HEALTH	AN IMPROVED RED BLOOD CELL STORAGE PRODUCT AND EXTENDED SHELF LIFE USING A NORMOGLYCEMIC ADDITIVE SOLUTION
254	\$812,752	LEONA M B HELMSLEY CHARITABLE TRUST	Spence, Dana	INSTITUTE FOR QUANTITATIVE HEALTH	A C-PEPTIDE COMPLEX FOR IMPROVED GLUCOSE METABOLISM IN PEOPLE WITH TYPE 1 DIABETES
255	\$24,927	HEMLOCK SEMICONDUCTOR CORP	Benard, Andre	MECHANICAL ENGINEERING	A HOLDING SYSTEM POLYSILICONE PRODUCTION PROCESS
256	\$14,000	NATIONAL SCIENCE FOUNDATION	Gao, Tong	MECHANICAL ENGINEERING	OAC CORE: SMALL: EFFICIENT AND SCALABLE TOOLS FOR DESIGN AND ANALYSIS OF ACTIVE MATTER SYSTEMS
257	\$242,478	NATIONAL SCIENCE FOUNDATION	Guo, Yang	MECHANICAL ENGINEERING	COLLABORATIVE RESEARCH: ENGINEERING GRADIENT NANO-GRAINED METALS BY MULTI-PASS PLASTIC WAVE DEFORMATION
258	\$130,669	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Khasawneh, Firas	MECHANICAL ENGINEERING	ZIGZAG PERSISTENT HOMOLOGY AND NETWORK METHODS FOR TOPOLOGICAL SIGNAL PROCESSING
259	\$110,500	UNIVERSITY OF KENTUCKY	Lee, Lik-Chuan	MECHANICAL ENGINEERING	MULTISCALE MODELING OF INHERITED CARDIOMYOPATHIES AND THERAPEUTIC INTERVENTIONS
260	\$125,000	PHYSICAL SCIENCES INC	Li, Zhaojian	MECHANICAL ENGINEERING	MULTI-MODAL CLOUD BASED SYSTEM FOR DETECTING EARLY SIGNS OF DRIVER COGNITIVE DECLINE AND/OR HIGH RISK DRIVING BEHAVIORS
261	\$113,629	AGRICULTURAL RESEARCH SERVICE	Li, Zhaojian	MECHANICAL ENGINEERING	DEEP LEARNING-BASED ROBUST 3D APPLE TREE PERCEPTION THROUGH EFFICIENT MULTI-SENSOR FUSION

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262	\$693,840	US DEPT OF ENERGY	Randhir, Kelvin	MECHANICAL ENGINEERING	SOLID STATE SOLAR THERMOCHEMICAL FUEL (SOFUEL) FOR LONG DURATION STORAGE
263	\$441,538	NATIONAL SCIENCE FOUNDATION	Tai, Wei-Che	MECHANICAL ENGINEERING	FLOATING OFFSHORE PLATFORM AND WAVE ENERGY CONVERTER INTEGRATION: COLLABORATIVE PLATFORM STABILIZATION AND ENERGY CONVERSION
264	\$105,225	NATIONAL SCIENCE FOUNDATION	Toulson, Elisa	MECHANICAL ENGINEERING	IGNITION AND FLAME SPEED CHARACTERISTICS OF H2/AIR/EXHAUST GAS MIXTURES
265	\$35,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Wichman, Indrek	MECHANICAL ENGINEERING	DEVELOPING THE NARROW CHANNEL APPARATUS AS A NASA STANDARD MATERIAL FLAMMABILITY TEST
266	\$35,000	MAGNA SERVICES OF AMERICA INC	Zhu, Guoming	MECHANICAL ENGINEERING	NONLINEAR TIRE FRICTION ESTIMATION
<b>COLLEGE OF HUMAN MEDICINE</b>					
267	\$30,909	SEATTLE GENETICS INC	Isaac, Daniel	CANCER CENTER	A STUDY OF ENFORTUMAB VEDOTIN (ASG-22CE) AS MONOTHERAPY OR IN COMBINATION WITH OTHER ANTICANCER THERAPIES FOR THE TREATMENT OF UROTHELIAL CANCER.
268	\$482,322	MICHIGAN HEALTH ENDOWMENT FUND	Custack, Amy	CHM FLINT	EXPANSION OF A FRUIT AND VEGETABLE PRESCRIPTION PROGRAM: A PRENATAL PILOT
269	\$27,930	FLINT ODYSSEY HOUSE HEALTH AWARENESS CENTER	Furr-Holden, Debra	CHM FLINT	ENHANCED PARENTING PROJECT
270	\$118,868	UNIVERSITY OF MICHIGAN	Furr-Holden, Debra	CHM FLINT	PREVENTION RESEARCH CENTER OF MICHIGAN
271	\$315,219	UNIVERSITY OF MICHIGAN	Furr-Holden, Debra	CHM FLINT	PREVENTION RESEARCH CENTER OF MICHIGAN - COVID SUPPLEMENT
272	\$411,113	GENESEE COUNTY HEALTH DEPT	Hanna-Attisha, Mona	CHM FLINT	ADDRESSING AND PREVENTING LEAD EXPOSURE THROUGH HEALTHY START
273	\$3,650,000	CENTERS FOR DISEASE CONTROL & PREVENTION	Hanna-Attisha, Mona	CHM FLINT	FLINT LEAD EXPOSURE REGISTRY (FLEXR)
274	\$116,317	NEW YORK UNIV SCHOOL OF MEDICINE	O'Connell, Lauren	CHM FLINT	COVID-19 PANDEMIC IMPACTS ON FAMILIES WITH YOUNG CHILDREN IN THE CONTEXT OF THE FLINT WATER CRISIS: POTENTIAL BUFFERING THROUGH UNIVERSAL STRENGTHS-BASED PARENTING SUPPORT



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275	\$25,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Ondersma, Steven	CHM FLINT	MICHIGAN STATE OPIOID RESPONSE 2 PROJECT
276	\$400,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Ondersma, Steven	CHM FLINT	MICHIGAN STATE OPIOID RESPONSE 2 PROJECT "HT2 TECHNOLOGY PROPOSAL (HT2 MI) SAMHSA STATE OPIOID RESPONSE" (INCORRECT TITLE USED IN E-GRAMS FOR THIS: REGIONAL PERINATAL COLLABORATIVE)
277	\$82,990	HENRY FORD HEALTH SYSTEM	Ondersma, Steven	CHM FLINT	SBI-TECH MICHIGAN: OPTIMIZING SBI IMPLEMENTATION FOR ALCOHOL USE AMONG WOMEN OF CHILDBEARING AGE
278	\$527,390	NATIONAL INST OF ALCOHOL ABUSE & ALCOHOLISM	Ondersma, Steven	CHM FLINT	SCALING UP: A MULTI-SITE TRIAL OF E-SBI FOR ALCOHOL USE IN PREGNANCY
279	\$125,000	MERCY HEALTH SAINT MARYS	Dwyer, Jeffrey	CHM WEST MICHIGAN	MSU-ST. MARY'S TRANSLATIONAL MEDICINE IN GRAND RAPIDS
280	\$290,560	NATIONAL INST OF HEALTH	Anthony, James (Jim)	EPIDEMIOLOGY AND BIOSTATISTICS	MINDING A MID-AMERICA GAP: NIDA/NIAAA EPIDEMIOLOGY RESEARCH TRAINING FOR CLINICAL RESEARCHERS AND CLINICIANS IN CURRENTLY UNDER-SERVED AREAS
281	\$1,089,447	NATIONAL INST OF HEALTH	Bohnert, Kipling	EPIDEMIOLOGY AND BIOSTATISTICS	TESTING A PTSD M-HEALTH INTERVENTION TO IMPROVE ALCOHOL TREATMENT OUTCOMES
282	\$26,495	US DEPT OF VETERANS AFFAIRS	Bohnert, Kipling	EPIDEMIOLOGY AND BIOSTATISTICS	KIPLING BOHNERT IPA - VA
283	\$2,901,575	NATIONAL INST OF HEALTH	Kerver, Jean	EPIDEMIOLOGY AND BIOSTATISTICS	PRENATAL EXPOSURES AND CHILD HEALTH OUTCOMES: A STATEWIDE STUDY
284	\$112,059	NATIONAL INST OF HEALTH	Kerver, Jean	EPIDEMIOLOGY AND BIOSTATISTICS	UNDERSTANDING BREASTFEEDING PRACTICES AMONG ECHO COHORT PARTICIPANTS BEFORE AND DURING/AFTER THE COVID-19 PANDEMIC
285	\$25,000	UNIVERSITY OF MICHIGAN	Kerver, Jean	EPIDEMIOLOGY AND BIOSTATISTICS	ECHO INITIATIVE YEAR 5
286	\$500,000	MICHIGAN HEALTH ENDOWMENT FUND	Kerver, Jean	EPIDEMIOLOGY AND BIOSTATISTICS	FOOD AS MEDICINE FOR HIGH-RISK PREGNANT AND POSTPARTUM WOMEN
287	\$25,986	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Lenski, Madeleine	EPIDEMIOLOGY AND BIOSTATISTICS	ENVIRONMENT, EPIGENETICS, NEURODEVELOPMENT & HEALTH IN EXTREMELY PRETERM CHILDREN
288	\$11,625	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Lenski, Madeleine	EPIDEMIOLOGY AND BIOSTATISTICS	RACE, COVID-19, AND HEALTH OUTCOMES AMONG INDIVIDUALS BORN PRETERM

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289	\$311,975	NATIONAL INST OF DENTAL & CRANIOFACIAL RESEARCH	Li, Chenxi	EPIDEMIOLOGY AND BIOSTATISTICS	SURVIVAL GENETICS METHODS FOR GENETIC ASSOCIATION STUDIES OF EARLY CHILDHOOD CARIES
290	\$284,006	ROBERT WOOD JOHNSON FOUNDATION	Margerison, Claire	EPIDEMIOLOGY AND BIOSTATISTICS	IMPACTS OF THE AFFORDABLE CARE ACT ON EQUITY IN HEALTH CARE ACCESS AND UTILIZATION FOR INDIGENOUS WOMEN
291	\$39,242	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Margerison, Claire	EPIDEMIOLOGY AND BIOSTATISTICS	THE IMPACT OF THE AFFORDABLE CARE ACT (ACA) ON UNINTENDED PREGNANCY: COMBINING EPIDEMIOLOGICAL AND ECONOMETRIC METHODS.
292	\$597,234	NATIONAL INST OF HEALTH	Margerison, Claire	EPIDEMIOLOGY AND BIOSTATISTICS	PREGNANCY-ASSOCIATED MORTALITY AND MORBIDITY DUE TO DRUGS, SELF-HARM, AND VIOLENCE IN THE UNITED STATES
293	\$294,342	UNIVERSITY OF CENTRAL FLORIDA	Misra, Dawn	EPIDEMIOLOGY AND BIOSTATISTICS	SOCIAL STRESSORS AND INFLAMMATION: A MIXED METHODS APPROACH TO PRETERM BIRTH
294	\$18,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Misra, Dawn	EPIDEMIOLOGY AND BIOSTATISTICS	COVID-19 MORTALITY REVIEW SUPPORT
295	\$120,795	NATIONAL INST OF HEALTH	Paneth, Nigel	EPIDEMIOLOGY AND BIOSTATISTICS	PRENATAL CANNABIS USE: PREVALENCE, CHARACTERISTICS, AND OUTCOMES
296	\$22,009	UNIVERSITY OF ALABAMA AT BIRMINGHAM	Vazquez, Ana	EPIDEMIOLOGY AND BIOSTATISTICS	TRANSLATIONAL GENOMICS OF HYPERURICEMIA
297	\$169,875	UNIVERSITY OF TEXAS AT AUSTIN	Vazquez, Ana	EPIDEMIOLOGY AND BIOSTATISTICS	USING METABOLOMICS TO DEFINE THE BEHAVIORAL PHENOMICS OF ENERGY BALANCE AND EXERCISE RESPONSE
298	\$8,954	VISTA GRANDE VILLA	Haque, Raza	FAMILY MEDICINE, DEPARTMENT OF	VILLAGE GARDEN VENTURE - HAQUE CONSULTING AGREEMENT
299	\$12,558	VISTA GRANDE VILLA	Ilardo, Joan	HUMAN MEDICINE DEAN	VILLAGE GARDEN VENTURE
300	\$38,787	UNIVERSITY OF MICHIGAN	Ilardo, Joan	HUMAN MEDICINE DEAN	MICHIGAN CENTER FOR URBAN AFRICAN AMERICAN AGING RESEARCH
301	\$69,124	UNIVERSITY OF MICHIGAN	Ilardo, Joan	HUMAN MEDICINE DEAN	MICHIGAN CENTER FOR URBAN AFRICAN AMERICAN AGING RESEARCH
302	\$10,892	RUTGERS UNIV	Arora, Ripla	INSTITUTE FOR QUANTITATIVE HEALTH	INNATE IMMUNE MECHANISMS AT THE MATERNAL-FETAL INTERFACE IN NORMAL AND SUPEROVULATORY PREGNANCY
303	\$1,339,160	NATIONAL INST OF HEALTH	Knickmeyer, Rebecca	INSTITUTE FOR QUANTITATIVE HEALTH	GENETIC INFLUENCES ON INFANT BRAIN DEVELOPMENT: UNDERSTANDING THE DEVELOPMENTAL ORIGINS OF MENTAL ILLNESS

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304	\$18,386	COLUMBIA UNIV	Moore, Anna	INSTITUTE FOR QUANTITATIVE HEALTH	T CELLS TO PROMOTE MIXED CHIMERISM FOR TOLERANCE TO ISLETS AND KIDNEYS FROM DECEASED AND LIVING DONORS
305	\$306,830	NATIONAL INST OF HEALTH	Schmidt, Jens	INSTITUTE FOR QUANTITATIVE HEALTH	DEFINING THE ROLE OF TCAB1 AND ITS PHASE SEPARATION IN TELOMERASE ASSEMBLY.
306	\$106,633	PROTEOGENOMICS RESEARCH INST FOR SYSTEMS	Zinn, Kurt	INSTITUTE FOR QUANTITATIVE HEALTH	PRECISION DELIVERY AND IMAGING TO ENHANCE SOLID TUMOR THERAPY
307	\$710,838	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	Millerick May, Melissa	MEDICINE	IMPROVED METHOD FOR IDENTIFYING CAUSATIVE ANTIGEN IN HYPERSENSITIVITY PNEUMONITIS
308	\$158,266	NATIONAL INST FOR OCCUPATIONAL SAFETY & HEALTH	Rosenman, Kenneth	MEDICINE	SAFE RETURN TO WORK POLICIES, AND MITIGATE OR PREVENT COVID 19 OUTBREAKS IN VARIOUS INDUSTRIAL SECTORS
309	\$676,705	NATIONAL INST FOR OCCUPATIONAL SAFETY & HEALTH	Rosenman, Kenneth	MEDICINE	EXPANDED PROGRAM IN OCCUPATIONAL INJURY AND ILLNESS SURVEILLANCE
310	\$40,000	MICHIGAN DEPT OF LICENSING & REGULATORY AFFAIRS	Rosenman, Kenneth	MEDICINE	BALANCING THE NEED FOR DISINFECTION AND CHEMICAL SAFETY
311	\$336,475	NATIONAL INST OF HEALTH	Chandler, Ronald	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	EPIGENETIC REGULATORY MECHANISMS AND THERAPEUTIC OPPORTUNITIES IN ENDOMETRIOSIS
312	\$254,121	NATIONAL INST OF HEALTH	Debena, Maji	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MOTHERS' ADVOCATES IN THE COMMUNITY FOR MOTHERS WITH EXPERIENCE OF INTIMATE PARTNER VIOLENCE
313	\$233,523	NATIONAL INST OF MENTAL HEALTH	Debena, Maji	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	PEER NAVIGATION FOR INDIVIDUALS WITH SERIOUS MENTAL ILLNESS LEAVING JAIL
314	\$219,090	NATIONAL INST OF HEALTH	Meghea, Cristian	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MEETING WOMEN WHERE THEY ARE: MULTILEVEL INTERVENTION ADDRESSING RACIAL DISPARITIES IN MATERNAL MORBIDITY AND MORTALITY - ADMINISTRATIVE SUPPLEMENT
315	\$200,003	NATIONAL INST OF HEALTH	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	COVID-19 VACCINATION AND MENSTRUAL HEALTH
316	\$274,576	NATIONAL INST OF HEALTH	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MENSTRUAL HEALTH DURING THE COVID-19 PANDEMIC: A LONGITUDINAL STUDY AMONG YOUNG PEOPLE WITH AND WITHOUT ENDOMETRIOSIS

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317	\$37,549	UNIVERSITY OF ARIZONA	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	ENDOMETRIOSIS, INFERTILITY, AND RISK OF STROKE
318	\$41,710	BRIGHAM & WOMENS HOSPITAL	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	USING AFFINITY BASED PROTEOMICS TO IDENTIFY DIAGNOSTIC AND PLASMA BIOMARKERS FOR ENDOMETRIOSIS
319	\$810,786	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Poland, Cara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	STATE OPIOID RELIEF FOR USE DISORDERS
320	\$59,000	SPECTRUM HEALTH SYSTEM	Roman, Leeanne	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	HEALTHY START INITIATIVE: ELIMINATING DISPARITIES IN PERINATAL HEALTH
321	\$39,960	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Alavi, Zakia	PEDIATRICS AND HUMAN DEVELOPMENT	MICHIGAN CHILD COLLABORATIVE CARE-CONNECT (MC3-CONNECT)
322	\$27,500	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	English, Boyce	PEDIATRICS AND HUMAN DEVELOPMENT	PEDIATRIC GENETICS – FEE FOR SERVICE
323	\$13,750	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	English, Boyce	PEDIATRICS AND HUMAN DEVELOPMENT	GENETIC SERVICE
324	\$50,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Karna, Padmani	PEDIATRICS AND HUMAN DEVELOPMENT	VT OXFORD NETWORK PROJECT
325	\$553,359	NATIONAL INST OF HEALTH	Li, Xiaopeng	PEDIATRICS AND HUMAN DEVELOPMENT	ROLE OF DISRUPTED ASL PH REGULATION IN SMALL AIRWAYS IN CF LUNG DISEASE PATHOGENESIS
326	\$10,900	CHIESI USA INC	Omar, Said	PEDIATRICS AND HUMAN DEVELOPMENT	LISPAP CCD-050000-01: AN OPEN LABEL MULTICENTER RANDOMIZED CONTROLLED STUDY IN SPONTANEOUSLY BREATHING PRETERM NEONATES WITH RDS TO COMPARE 2 PROCEDURES FOR PORCINE SURFACTANT (CUROSURF) ADMIN. LISA
327	\$7,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Sigal, Yakov	PEDIATRICS AND HUMAN DEVELOPMENT	PEDIATRIC EPILEPSY ACCESS PROJECT
328	\$38,000	WAYNE STATE UNIV	Turner, Jane	PEDIATRICS AND HUMAN DEVELOPMENT	MICHIGAN LEADERSHIP EDUCATION IN NEURODEVELOPMENTAL AND RELATED DISABILITIES (MI-LEND)
329	\$2,304,752	NATIONAL INST OF MENTAL HEALTH	Williams, Michael	PEDIATRICS AND HUMAN DEVELOPMENT	ANTEROTAG, A NOVEL METHOD FOR TRANS-SYNAPTIC DELIVERY OF ACTIVE AGENTS TO MAP AND MODIFY ANTEROGRADE POPULATIONS

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330	\$15,000	CURE MULTIPLE MYELOMA CORPORATION	Bernard, Jamie	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	THE ROLE OF ADIPOCYTE-SECRETED FACTORS IN DRIVING TRANSCRIPTIONAL NETWORKS IN PROGRESSION TO MULTIPLE MYELOMA
331	\$71,969	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	Zhu, David	RADIOLOGY HUMAN MEDICINE	DIVERSITY SUPPLEMENT TO "HYPERTENSION, INTRACRANIAL PULSATILITY AND BRAIN A-BETA ACCUMULATION IN OLDER ADULTS"
332	\$131,634	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	Zhu, David	RADIOLOGY HUMAN MEDICINE	HYPERTENSION, INTRACRANIAL PULSATILITY AND BRAIN A ACCUMULATION IN OLDER ADULTS
333	\$198,767	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY22 TRANSLATING EVIDENCE INTO DEMONSTRATIONS
334	\$126,191	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY22 OPIOID ANALYTICS
335	\$161,521	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	INTEGRATED CARE ASSESSMENT
336	\$124,154	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY21 FLINT WATER EVALUATION
337	\$75,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY21 INSTITUTE SUPPORT & ASSISTANCE
338	\$20,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY22 LOCAL HEALTH DEPARTMENT REGIONAL EDUCATION SEMINARS
339	\$312,190	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY22 QUALITY IMPROVEMENT WORK PLAN
340	\$36,584	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY22 HEALTHY BEHAVIORS AS PART OF HEALTHY MICHIGAN PLAN
341	\$33,726	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY22 MEDICAID SUPPORT & ASSISTANCE

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342	\$1,030,760	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY21 HCBS HEIGHTENED SCRUTINY PROJECT
343	\$359,833	UNIVERSITY OF ILLINOIS CHICAGO	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	TAU CONFORMATION IN TAUOPATHIES AND NEURONAL FUNCTION
344	\$27,994	METHODIST RESEARCH INSTITUTE INC	Morgan, David	TRANSLATIONAL NEUROSCIENCE	CLINICAL TRIAL READINESS FOR SCA1 AND SCA3
345	\$150,611	UNIVERSITY OF MICHIGAN	Vega, Irving	TRANSLATIONAL NEUROSCIENCE	MICHIGAN CENTER FOR CONTEXTUAL FACTORS IN ALZHEIMER'S DISEASE
<b>JAMES MADISON COLLEGE</b>					
346	\$76,256	ARIZONA STATE UNIV	Thies, Cameron	JAMES MADISON COLLEGE DEAN	GROWING CHINESE ECONOMIC POWER AND THE EXACERBATING EFFECTS OF U.S. ECONOMIC INTERDEPENDENCE
<b>COLLEGE OF MUSIC</b>					
347	\$21,000	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	Demott, Jaime	COMMUNITY MUSIC SCHOOL	MUSIC EDUCATION OUTREACH TO LOW-INCOME STUDENTS
348	\$33,500	WORTHINGTON FAMILY FOUNDATION	Helton, Melanie	MUSIC	CONTINUING THE MSU OPERA THEATRE EXPERIENCE: GETTING BACK ON STAGE
<b>COLLEGE OF NATURAL SCIENCE</b>					
349	\$320,885	UNIVERSITY OF GEORGIA	Hamberger, Bjoern	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	PLANTSYNBIO: CHASSIS DESIGN FOR SUSTAINABLE PRODUCTION OF HIGH VALUE TERPENOID IN THE CROP SPECIES TOMATO
350	\$111,502	US DEPT OF ENERGY	Hegg, Eric	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	DNRA: CATALYZING MULTI-ELECTRON REDUCTIONS USING A PENTAHEME SCAFFOLD
351	\$10,852	UNIVERSITY OF CALIFORNIA RIVERSIDE	Kaguni, Laurie	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	CHEMICAL AND MOLECULAR MECHANISMS OF MITOCHONDRIAL DNA DEGRADATION
352	\$125,000	NATIONAL INST OF HEALTH	Ralston, Amy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	MOLECULAR MECHANISMS REGULATING FORMATION OF DIVERSE STEM CELL PROGENITORS
353	\$177,794	HEALTH RESOURCES & SERVICES ADMINISTRATION	Hoag, Kathleen	BIOMEDICAL LABORATORY DIAGNOSTICS PROGR	SMILES: SUPPORT IN MEDICAL LABORATORY SCIENCE

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354	\$14,530	IPG PHOTONICS	Dantus, Marcos	CHEMISTRY	PULSE METROLOGY FOR QUANTITATIVE DETERMINATION OF AN ULTRAFAST LASER POWER FIGURE OF MERIT
355	\$176,617	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Dantus, Marcos	CHEMISTRY	FEMTOSECOND TIME-RESOLVED ELECTRON IONIZATION MASS SPECTROMETRY
356	\$63,040	DAVID PACKARD FOUNDATION	Harel, Elad	CHEMISTRY	SHEDDING LIGHT ON RULES THAT GOVERN PROTEIN MOTION
357	\$500,000	DEFENSE THREAT REDUCTION AGENCY	Harel, Elad	CHEMISTRY	REAL-TIME DETECTION OF CONTAMINANTS IN BIOPHARMACEUTICALS BY AI-ENABLED QUANTUM COHERENCE SPECTROSCOPY
358	\$200,000	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Harel, Elad	CHEMISTRY	MULTI-DIMENSIONAL VIBRATIONAL-ELECTRONIC SPECTROSCOPY TO PROBE ELECTRONIC-TO-VIBRATIONAL ENERGY TRANSFER IN HYBRID NANOMATERIALS
359	\$158,363	UNIVERSITY OF GEORGIA	Merz, Kenneth	CHEMISTRY	GENETICS AND QUANTUM CHEMISTRY AS TOOLS FOR UNKNOWN METABOLITE IDENTIFICATION
360	\$77,559	TULANE UNIV	Sun, Liangliang	CHEMISTRY	COMPUTATIONAL TOOLS FOR PROTEOFORM IDENTIFICATION BY TOP-DOWN DATA INDEPENDENT ACQUISITION MASS SPECTROMETRY
361	\$8,000	VARIOUS INDUSTRIES	Walker, Kevin	CHEMISTRY	CEM - RAWHIDE FEE FOR SERVICE - WALKER
362	\$110,000	BROOKHAVEN NATIONAL LABORATORY	Bazavov, Alexei	COMPUTATIONAL MATH SCI AND ENGR CNS	COMPUTING THE PROPERTIES OF MATTER WITH LEADERSHIP COMPUTING RESOURCES
363	\$185,130	NATIONAL SCIENCE FOUNDATION	Christlieb, Andrew	COMPUTATIONAL MATH SCI AND ENGR CNS	COLLABORATIVE RESEARCH: HDR DSC: INCREASING ACCESSIBILITY THROUGH BUILDING ALTERNATIVE DATA SCIENCE PATHWAYS
364	\$353,150	NATIONAL INST OF HEALTH	Hirn, Matthew	COMPUTATIONAL MATH SCI AND ENGR CNS	COLLABORATIVE RESEARCH: FINDING EMERGENT STRUCTURE IN MULTI-SAMPLE BIOLOGICAL DATA WITH THE DUAL GEOMETRY OF CELLS AND FEATURES
365	\$234,750	NATIONAL INST OF HEALTH	Krishnan, Arjun	COMPUTATIONAL MATH SCI AND ENGR CNS	RESOLVING AND UNDERSTANDING THE GENOMIC BASIS OF HETEROGENEOUS COMPLEX TRAITS AND DISEASES
366	\$79,999	PACIFIC NORTHWEST NATIONAL LABORATORY	Lei, Huan	COMPUTATIONAL MATH SCI AND ENGR CNS	IMPROVING ACCURACY THROUGH TIGHTER COUPLING BETWEEN ATMOSPHERIC PROCESSES
367	\$29,951	SPACE TELESCOPE SCIENCE INST	O'Shea, Brian	COMPUTATIONAL MATH SCI AND ENGR CNS	GAS AND GALAXIES THROUGH COSMIC TIME WITH ENZO-E
368	\$10,033	UNIVERSITY OF GEORGIA	Krajcik, Joseph	CREATE FOR STEM	AI-BASED ASSESSMENT IN STEM EDUCATION CONFERENCE: POTENTIAL, CHALLENGE, AND FUTURE.
369	\$75,000	NATIONAL SCIENCE FOUNDATION	Libarkin, Julie	CREATE FOR STEM	COLLABORATIVE RESEARCH: CYBERTRAINING: PILOT: A CYBERTRAINING PROGRAM TO ADVANCE KNOWLEDGE AND EQUITY IN THE GEOSCIENCES

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370	\$3,370,000	USDA- FARM SERVICE AGENCY	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	CRP SOIL CARBON ASSESSMENT - WETLANDS: INTEGRATING STRATEGIC SAMPLING WITH AN ENSEMBLE MULTI-MODEL APPROACH TO QUANTIFY AND SCALE SOIL CARBON STOCKS AND CLIMATE BENEFITS IN CRP
371	\$65,884	UNIVERSITY OF ILLINOIS CHICAGO	Dorfman, Susannah	EARTH AND ENVIRONMENTAL SCIENCES	CHICAGO-DOE ALLIANCE CENTER: A CENTER OF EXCELLENCE FOR HIGH PRESSURE SCIENCE AND TECHNOLOGY
372	\$87,129	NATIONAL SCIENCE FOUNDATION	Elliott, Julie	EARTH AND ENVIRONMENTAL SCIENCES	GEODETIC CHARACTERIZATION OF THE EASTERNMOST ALASKA SUBDUCTION ZONE
373	\$6,551	NATIONAL SCIENCE FOUNDATION	Elliott, Julie	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: RAPID GEODETIC FIELD RESPONSE TO THE 2018 MAGNITUDE 7 ANCHORAGE EARTHQUAKE
374	\$72,419	NATIONAL SCIENCE FOUNDATION	Freymueller, Jeffrey	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: RAPID: RESPONSE TO THE 29 JULY 2021 CHIGNIK M8.2 EARTHQUAKE
375	\$127,943	US DEPT OF STATE	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	DIGITIZATION OF LOP NOR EXPLOSIONS FROM KYRGYZSTAN STATIONS AND ESTABLISHMENT OF THE GT CALIBRATION EXPLOSION WORKING GROUP
376	\$45,000	UNIVERSITY OF ALASKA	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	KAZAKHSTAN DIGITIZATION EFFORT CONTINUATION - TASK ORDER 9
377	\$9,900	APPLIED RESEARCH ASSOCIATES INC	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	SUPPORT FOR A SEISMIC AND ACOUSTIC EXPERIMENT AT THE BALAPAN TEST SITE, KAZAKHSTAN: PRE-PLANNING AND EXPERIMENT DESIGN
378	\$190,635	NATIONAL SCIENCE FOUNDATION	Wei, Songqiao	EARTH AND ENVIRONMENTAL SCIENCES	CAREER: INVESTIGATING COMPOSITION AND RHEOLOGY OF CIRCUM-PACIFIC MANTLE WEDGES WITH BODY-WAVE ATTENUATIONS
379	\$47,000	USDA FOREST SERVICE	Cognato, Anthony	ENTOMOLOGY NATURAL SCIENCE	BARK BEETLE IDENTIFICATION AND TAXONOMY (CURCULIONIDAE: SCOLYTINAE).
380	\$749,255	NATIONAL SCIENCE FOUNDATION	Meek, Mariah	INTEGRATIVE BIOLOGY	NSF CONVERGENCE ACCELERATOR TRACK E: EMPOWERING STAKEHOLDERS FROM SHIP TO STORE--SOLVING FISHERY MANAGEMENT CHALLENGES WITH USE-INSPIRED GENOMIC AND ARTIFICIAL INTELLIGENCE TOOLS
381	\$45,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Zarnetske, Phoebe	INTEGRATIVE BIOLOGY	USING GEODIVERSITY AND COMMUNITY ECOLOGY TO IMPROVE SPECIES CONSERVATION ASSESSMENTS IN BIODIVERSITY HOTSPOTS



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382	\$457,158	UNIVERSITY OF MASSACHUSETTS AMHERST	Zipkin, Elise	INTEGRATIVE BIOLOGY	EVALUATING THE ROLE OF CLIMATE ON MIDWESTERN BUTTERFLY TRAJECTORIES, MONARCH DECLINES, AND THE BROADER INSECT APOCALYPSE
383	\$53,087	US FISH & WILDLIFE SERVICE	Zipkin, Elise	INTEGRATIVE BIOLOGY	ESTIMATING THE DISTRIBUTION AND RELATIVE ABUNDANCE OF SEABIRDS IN THE GULF OF MEXICO
384	\$12,234	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Evans, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	CONSERVING POLLINATORS ON FARMS WITH PRAIRIE STRIPS
385	\$73,711	MOSAIC COMPANY	Fitzpatrick, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	USING GENOMICS TO TEST FLORIDA SCRUB JAY TRANSLOCATION SUCCESS WITHIN THE CORE OF THE M4 METAPOPOPULATION
386	\$24,987	IOWA STATE UNIV	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	IMPROVING MIDWESTERN AGRICULTURE'S ENVIRONMENTAL, SOCIAL, AND ECONOMIC FOOTPRINT WITH PRAIRIE STRIPS
387	\$675,507	NATIONAL SCIENCE FOUNDATION	Litchman, Elena	KELLOGG BIOLOGICAL STATION NAT SCI	COLLABORATIVE RESEARCH: MIM: USING MULTILAYER INTERACTION NETWORKS TO PREDICT MICROBIOME ASSEMBLY AND FUNCTION
388	\$8,400	SIMONS FOUNDATION	Waldron, Joseph	MATHEMATICS	BIRATIONAL GEOMETRY IN POSITIVE AND MIXED CHARACTERISTIC
389	\$725,918	NATIONAL INST OF HEALTH	Abramovitch, Robert	MICROBIOLOGY MOLECULAR GENETICS CNS	CHEMICAL GENETICS OF M. TUBERCULOSIS D0SRST SIGNALING AND PERSISTENCE
390	\$65,994	NATIONAL INST OF HEALTH	Crosson, Sean	MICROBIOLOGY MOLECULAR GENETICS CNS	CHARACTERIZING THE STRUCTURE AND FUNCTION OF A BACTERIAL MULTI-KINASE SENSORY COMPLEX
391	\$32,219	NATIONAL INST OF HEALTH	Crosson, Sean	MICROBIOLOGY MOLECULAR GENETICS CNS	MOLECULAR MECHANISMS CONTROLLING STRESS RESPONSES AND CELL ADHESION IN BACTERIA
392	\$146,400	UNIVERSITY OF MICHIGAN	DiRita, Victor	MICROBIOLOGY MOLECULAR GENETICS CNS	FITNESS OF GRAM-NEGATIVE PATHOGENS DURING BACTEREMIA
393	\$124,366	VANDERBILT UNIV	Manning, Shannon	MICROBIOLOGY MOLECULAR GENETICS CNS	THE ROLE OF MACROPHAGES IN CHORIOAMNIONITIS AND GROUP B STREPTOCOCCAL INFECTIONS
394	\$986,332	NATIONAL INST OF HEALTH	O'Halloran, Thomas	MICROBIOLOGY MOLECULAR GENETICS CNS	RESOURCE FOR QUANTITATIVE ELEMENTAL MAPPING FOR THE LIFE SCIENCES
395	\$54,224	NATIONAL INST OF HEALTH	Waters, Christopher	MICROBIOLOGY MOLECULAR GENETICS CNS	EXPLORING CYCLIC DI-NUCLEOTIDE SIGNALING ACROSS THE TREE OF LIFE

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396	\$163,812	US ARMY RESEARCH OFFICE	Cocker, Tyler	PHYSICS ASTRONOMY	ULTRAFAST TERAHERTZ SCANNING TUNNELING MICROSCOPY OF WEYL MATERIALS
397	\$263,000	US DEPT OF ENERGY	Couch, Sean	PHYSICS ASTRONOMY	TOWARDS EXASCALE ASTROPHYSICS OF MERGERS AND SUPERNOVAE (TEAMS)
398	\$250,000	UNIVERSITY OF WISCONSIN MADISON	DeYoung, Tyce	PHYSICS ASTRONOMY	WOU-MMA: ICECUBE DATA ANALYSIS IN THE U.S.
399	\$26,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Donahue, Megan	PHYSICS ASTRONOMY	A NEW METHOD TO OBTAIN BLACK HOLE SPIN VALUES WITH 27 LOCAL AGN
400	\$59,993	NATIONAL SCIENCE FOUNDATION	Duxbury, Phillip	PHYSICS ASTRONOMY	SHOCKS AND OSCILLATIONS IN THE DYNAMICS OF EXPANDING COULOMB CLOUDS
401	\$91,968	PRINCETON UNIV	Dykman, Mark	PHYSICS ASTRONOMY	MATERIALS FOR ULTRA-COHERENT, MOBILE, ELECTRON-SPIN QUBITS
402	\$178,998	COLUMBIA UNIV	Fisher, Wade	PHYSICS ASTRONOMY	LHC HIGH LUMINOSITY WBS 6.08.03.01 TRIGGER FRAMEWORK - MREFC - MSU
403	\$123,160	COLUMBIA UNIV	Fisher, Wade	PHYSICS ASTRONOMY	LHC HIGH LUMINOSITY WBS 6.08.03.02 TRIGGER CLUSTERING ALGORITHM - MREFC - MSU
404	\$600,000	NATIONAL SCIENCE FOUNDATION	Hayden, Daniel	PHYSICS ASTRONOMY	SEARCH FOR NEW PHYSICS IN THE HIGH LUMINOSITY ERA AT THE LHC
405	\$87,505	SPACE TELESCOPE SCIENCE INST	Kerzendorf, Wolfgang	PHYSICS ASTRONOMY	MATCHING HUBBLE SPACE TELESCOPE REVIEWERS WITH PROPOSALS USING MACHINE LEARNING
406	\$275,000	US DEPT OF ENERGY	Mahn, Kendall	PHYSICS ASTRONOMY	TRAIN-MI PROGRAM: HIGH ENERGY PHYSICS INSTRUMENTATION TRAINEESHIP IN MICHIGAN
407	\$234,999	FERMI NATIONAL ACCELERATOR LABORATORY	Mahn, Kendall	PHYSICS ASTRONOMY	DEEP UNDERGROUND NEUTRINO EXPERIMENT (DUNE)
408	\$54,000	FERMI NATIONAL ACCELERATOR LABORATORY	Mahn, Kendall	PHYSICS ASTRONOMY	DEEP UNDERGROUND NEUTRINO EXPERIMENT (DUNE) - WBS 131.02.03.02.06 - ND LARTPC CALIBRATION
409	\$182,056	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
410	\$369,508	COLUMBIA UNIV	Schwienhorst, Reinhard	PHYSICS ASTRONOMY	LHC HIGH LUMINOSITY UPGRADE (HL-LHC) WBS 6.06.01.02 MUON SMDT - MREFC - MSU
411	\$11,320	SPACE TELESCOPE SCIENCE INST	Strader, Jay	PHYSICS ASTRONOMY	DEFINITIVE DETECTION OF FAILED SUPERNOVAE

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412	\$110,805	NATIONAL SCIENCE FOUNDATION	Tessmer, Stuart	PHYSICS ASTRONOMY	REU SITE: RESEARCH EXPERIENCES FOR UNDERGRADUATES IN PHYSICS
413	\$172,072	NATIONAL SCIENCE FOUNDATION	Voit, Gerard	PHYSICS ASTRONOMY	BARYON CYCLES IN THE BIGGEST GALAXIES
414	\$40,695	LAWRENCE BERKELEY NATIONAL LABORATORY	Whitehorn, Nathan	PHYSICS ASTRONOMY	CMB-S4 WBS 1.08 DATA ACQUISITION
415	\$81,987	UCHICAGO ARGONNE LLC	Zepf, Stephen	PHYSICS ASTRONOMY	SUPPORT FOR SEAN COUCH SABBATICAL AT ARGONNE NATIONAL LABORATORY
416	\$405,001	NATIONAL INST OF HEALTH	Busik, Julia	PHYSIOLOGY NATURAL SCIENCE	DYSLIPIDEMIA AND DIABETIC RETINOPATHY
417	\$128,491	UNIVERSITY OF ALABAMA AT BIRMINGHAM	Busik, Julia	PHYSIOLOGY NATURAL SCIENCE	CHOLESTEROL HOMEOSTASIS IN PATHOGENESIS OF DR
418	\$31,242	OHIO STATE UNIV	Gulbransen, Brian	PHYSIOLOGY NATURAL SCIENCE	ENTERIC GLIAL ETBR SIGNALING IN POSTOPERATIVE ILEUS
419	\$79,642	AMARIN PHARMA INC	Lydic, Todd	PHYSIOLOGY NATURAL SCIENCE	SERVICE AGREEMENT WITH AMARIN PHARMACEUTICALS
420	\$74,205	HENRY FORD HEALTH SYSTEM	Lydic, Todd	PHYSIOLOGY NATURAL SCIENCE	MICROBIOTA AND ALLERGIC ASTHMA PRECISION PREVENTION (MAAP2)
421	\$439,111	NATIONAL INST OF HEALTH	Wang, Hongbing	PHYSIOLOGY NATURAL SCIENCE	MECHANISM UNDERLYING COGNITIVE AND SYNAPTIC FLEXIBILITY
422	\$65,977	USDA FOREST SERVICE	Brudvig, Lars	PLANT BIOLOGY CNS	PREDICTING SUCCESSFUL LONGLEAF PINE SAVANNA RESTORATION OUTCOMES
423	\$85,200	NORTHEASTERN UNIV	Childs, Kevin	PLANT BIOLOGY CNS	PLANTSYNBIO: A NOVEL CRISPR SYNBIO TOOL FOR INVESTIGATING AND REPROGRAMMING THE REGULATION OF ALKALOID BIOSYNTHESIS IN CATHARANTHUS ROSEUS
424	\$10,000	BAYER CROPSCIENCE	Farre, Eva	PLANT BIOLOGY CNS	A TRANSIENT EXPRESSION SYSTEM FOR TESTING GENE EXPRESSION REGULATION IN PLANTS
425	\$22,831	UNIVERSITY OF MINNESOTA	Josephs, Emily	PLANT BIOLOGY CNS	RESEARCH-PGR: UNCOVERING THE ROLE OF TRANSPOSONS IN MAIZE VARIATION
426	\$383,768	NATIONAL INST OF HEALTH	Josephs, Emily	PLANT BIOLOGY CNS	DETERMINING THE EVOLUTIONARY FORCES SHAPING GENOTYPE-BY-ENVIRONMENT INTERACTIONS
427	\$99,999	MARINE BIOLOGICAL LABORATORY	Malmstrom, Carolyn	PLANT BIOLOGY CNS	STICKY ROOTS — IMPLICATIONS OF ALTERED RHIZO DEPOSITION (DRIVEN BY CRYPTIC, VIRAL INFECTION OF PLANTS) FOR THE FATE OF RHIZOSPHERE MINERAL-ORGANIC MATTER ASSOCIATIONS IN NATURAL ECOSYSTEMS

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428	\$183,556	PRINCETON UNIV	Schnell, Danny	PLANT BIOLOGY CNS	TRANSFORMING OUR UNDERSTANDING OF CHLOROPLAST-ASSOCIATED GENES THROUGH COMPREHENSIVE CHARACTERIZATION OF PROTEIN LOCALIZATIONS AND PROTEIN-PROTEIN INTERACTIONS
429	\$125,000	NATIONAL INST OF HEALTH	Brandizzi, Federica	PLANT RESEARCH LABORATORY NAT SCIENCE	UNFOLDED PROTEIN RESPONSE IN THE MODEL SPECIES ARABIDOPSIS THALIANA
430	\$24,964	ARGONNE NATIONAL LABORATORY	Maiti, Tapabrata	STATISTICS PROBABILITY	ROBUST AND EFFICIENT LEARNING WITH SPARSE BAYESIAN NEURAL NETWORKS
431	\$22,191	ARGONNE NATIONAL LABORATORY	Maiti, Tapabrata	STATISTICS PROBABILITY	INFORMATION-THEORETIC BAYESIAN LEARNING WITH INFORMATION BOTTLENECK AND PROBABILISTIC LATENT DIMENSION ENCODING
432	\$199,907	NATIONAL SCIENCE FOUNDATION	Sakhanenko, Lyudmila	STATISTICS PROBABILITY	MATHEMATICAL AND STATISTICAL MODELING AND METHODOLOGY FOR TOPICS IN DIFFUSION TENSOR IMAGING
433	\$324,277	OHIO UNIV	Viens, Frederi	STATISTICS PROBABILITY	FRAMEWORKS: BAYESIAN ANALYSIS FOR NUCLEI IN DIVERSE THEORIES
<b>COLLEGE OF NURSING</b>					
434	\$57,370	RUSH UNIV MEDICAL CENTER	Buchholz, Susan	NURSING	TESTING ADAPTIVE INTERVENTIONS TO IMPROVE PHYSICAL ACTIVITY FOR SEDENTARY WOMEN
435	\$12,228	VIRGINIA COMMONWEALTH UNIV	Goldstein, Dawn	NURSING	PRIMARY CARE IMPROVED OUTCOMES WITH NURSES IN EVOLVING AND EXPANDING ROLES (PIONEER)
436	\$766,636	NATIONAL HEART LUNG & BLOOD INST	Robbins, Lorraine	NURSING	GUYS/GIRLS OPT FOR ACTIVITIES FOR LIFE (GOAL) TRIAL
<b>COLLEGE OF OSTEOPATHIC MEDICINE</b>					
437	\$195,625	NATIONAL INST OF HEALTH	Kuo, Min	BIOCHEMISTRY AND MOLECULAR BIOLOGY COM	EPIMAX-RCR: CONTROLLED EXPRESSION OF POST-TRANSLATIONALLY MODIFIED PROTEINS IN EUKARYOTES
438	\$117,076	BRIGHAM & WOMENS HOSPITAL	Martinez Hackert, Erik	BIOCHEMISTRY AND MOLECULAR BIOLOGY COM	CONTEXT-SPECIFIC ANGIOGENIC SIGNALING IN THE PULMONARY VASCULATURE
439	\$6,000	ELI LILLY & CO	Khalil, Suad	NEUROLOGY AND OPHTHALMOLOGY COM	PROTOCOL H8H-MC-LAHV(A) PEDIATRIC OPTIONS FOR MIGRAINE RELIEF: A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY OF LASMIDITAN FOR ACUTE TREATMENT OF MIGRAINE: PIONEER-PEDS1
440	\$6,000	ELI LILLY & CO	Khalil, Suad	NEUROLOGY AND OPHTHALMOLOGY COM	PROTOCOL H8H-MC-LAHW A PHASE 3, 12-MONTH, OPEN-LABEL STUDY OF LASMIDITAN IN PEDIATRIC PATIENTS WITH MIGRAINE - PIONEER-PEDS2

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441	\$13,777	RA PHARMACEUTICALS INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, MULTICENTER, OPEN-LABEL EXTENSION STUDY OF ZILUCOPLAN IN SUBJECTS WITH GENERALIZED MYASTHENIA GRAVIS
442	\$11,586	ARGENX BVBA	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 2 TRIAL TO INVESTIGATE THE EFFICACY, SAFETY, AND TOLERABILITY OF EFGARTIGIMOD PH20 SC IN ADULT PATIENTS WITH CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY (CIDP) (ADHERE)
443	\$14,884	ABBVIE INC	Sidiropoulos, Christos	NEUROLOGY AND OPHTHALMOLOGY COM	AN OPEN-LABEL EXTENSION OF STUDY M15-736 TO EVALUATE THE SAFETY AND TOLERABILITY OF 24-HOUR DAILY EXPOSURE OF ABBV-951 IN SUBJECTS WITH ADVANCED PARKINSON'S DISEASE
444	\$7,733	ABBVIE INC	Sidiropoulos, Christos	NEUROLOGY AND OPHTHALMOLOGY COM	M15-736: A RANDOMIZED, DOUBLE-BLIND, DOUBLE-DUMMY, ACTIVE-CONTROLLED STUDY COMPARING THE EFFICACY, SAFETY AND TOLERABILITY OF ABBV-951 TO ORAL CARBIDOPA/LEVODOPA IN ADVANCED PARKINSON'S DISEASE PATIEN
445	\$44,574	SEATTLE CHILDRENS RESEARCH INST	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	MOLECULAR MECHANISMS IN PEDIATRIC CEREBRAL MALARIA PATHOGENESIS AND IMMUNITY
446	\$38,601	INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	GUT MICROBIOTA AND HUMAN MALARIA
447	\$7,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Greenberg, Joel	PEDIATRICS	PEDIATRIC EPILEPSY ACCESS PROJECT - COLLEGE OF OSTEOPATHIC MEDICINE
448	\$195,625	NATIONAL INST OF HEALTH	Dorrance, Anne	PHARMACOLOGY TOXICOLOGY	VASCULAR COGNITIVE IMPAIRMENT IN HYPERTENSION; IDENTIFICATION OF AN AGE APPROPRIATE MODEL.
449	\$140,960	LUNA INNOVATIONS	Krieger-Burke, Teresa	PHARMACOLOGY TOXICOLOGY	CNT-VECTORED DELIVERY OF MRNA FOR HIV-VACCINES 2021102-104
450	\$190,000	BREAST CANCER RESEARCH FOUNDATION	Liby, Karen	PHARMACOLOGY TOXICOLOGY	CHEMOPREVENTION OF EXPERIMENTAL ESTROGEN RECEPTOR-NEGATIVE BREAST CANCER
451	\$40,138	SPECTRUM HEALTH FOUNDATION	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	PILOT STUDY FOR TARGETING IMMUNOSUPPRESSIVE TUMOR INFILTRATING LEUKOCYTES IN GLIOBLASTOMA
452	\$15,971	CHILDS CURE GENETIC RESEARCH	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	ICV SINGLE EXPRESSION AND TOLERABILITY STUDY OF SCAAV9-CBH-GNAO1 AND SCAAV9-SYN-GNAO1 IN NEONATAL MICE FOR DURATION OF 4 WEEKS
453	\$195,625	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Tewari-Singh, Neera	PHARMACOLOGY TOXICOLOGY	TREATMENT STRATEGIES FOR OCULAR TOXICITY FROM CHLOROPICRIN
454	\$469,390	NATIONAL INST OF HEALTH	Tewari-Singh, Neera	PHARMACOLOGY TOXICOLOGY	TARGETED THERAPEUTIC APPROACHES TO COUNTERACT TOXICITY FROM PHOSGENE OXIME SKIN EXPOSURE

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455	\$99,999	AMER HEART ASSOC	Watts, Stephanie	PHARMACOLOGY TOXICOLOGY	CHEMERIN KNOCKDOWN AS A TREATMENT FOR OBESITY-ASSOCIATED HYPERTENSION
456	\$12,492	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	CULTURE-SPECIFIC NEURODEVELOPMENTAL ASSESSMENT OF HIV-AFFECTED CHILDREN
457	\$37,115	UNIVERSITY OF ARIZONA	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	IMPROVING INFORMAL CAREGIVERS' AND CANCER SURVIVORS' PSYCHOLOGICAL DISTRESS, SYMPTOM MANAGEMENT AND HEALTH CARE USE
458	\$86,063	MASSACHUSETTS GENERAL HOSPITAL	Qian, Chunqi	RADIOLOGY OSTEOPATHIC MEDICINE	DEVELOP A MULTI-MODAL CROSS-SCALE FMRI PLATFORM WITH LAMINAR-SPECIFIC CELLULAR RECORDINGS THROUGH MULTI-CHANNEL TAPERED PHOTONIC CRYSTAL FIBER ARRAY
459	\$39,622	UNIVERSITY OF ROCHESTER	Shapiro, Erik	RADIOLOGY OSTEOPATHIC MEDICINE	COLLABORATIVE HIV INVESTIGATIONS OF ANTIRETROVIRAL NEUROPSYCHIATRIC TOXICITIES IN ZAMBIA (CHANTZ): PROTEASE INHIBITOR IMPACT AWD00003777
460	\$222,962	NATIONAL INST OF HEALTH	Shapiro, Erik	RADIOLOGY OSTEOPATHIC MEDICINE	CRISPR INDUCED EXPRESSION OF NATIVE MRI REPORTER PROTEINS
<b>COLLEGE OF SOCIAL SCIENCE</b>					
461	\$21,567	UNIVERSITY OF KENTUCKY	Hefner, Joseph	ANTHROPOLOGY SOCIAL SCIENCE	DEVELOPING STANDARDIZED GRAPHIC LIBRARIES FOR ANATOMY: A FOCUS ON HUMAN CRANIOFACIAL ANATOMY AND PHENOTYPES
462	\$24,628	TEXAS STATE UNIVERSITY	Hefner, Joseph	ANTHROPOLOGY SOCIAL SCIENCE	INVESTIGATION OF SUBADULT DENTAL AGE-AT-DEATH ESTIMATION USING TRANSITION ANALYSIS
463	\$232,997	UNIVERSITY OF NEBRASKA OMAHA	Holt, Thomas	CRIMINAL JUSTICE	ASSESSING THE LIFE HISTORIES AND BACKGROUND OF IDEOLOGICALLY MOTIVATED ACTORS ENGAGING IN CYBERATTACKS AND ONLINE VIOLENCE
464	\$54,286	YALE UNIV	Maxwell, Christopher	CRIMINAL JUSTICE	ADVANCING GUN POLICY: LINKING MULTI-SOURCE DATA TO DEVELOP MICRO-LONGITUDINAL TRAJECTORIES OF DOMESTIC VIOLENCE OFFENDERS' GUN USE AND IMPACT ON VICTIMS
465	\$11,294	UNIVERSITY OF MICHIGAN	Zeoli, April	CRIMINAL JUSTICE	BUILDING RESEARCH CAPACITY FOR FIREARM AMONG CHILDREN
466	\$493,050	JOYCE FOUNDATION	Zeoli, April	CRIMINAL JUSTICE	DVRO STUDY MICHIGAN AND WISCONSIN
467	\$23,475	NATIONAL SCIENCE FOUNDATION	Imberman, Scott	ECONOMICS	DOCTORAL DISSERTATION RESEARCH IN ECONOMICS: LOW-INCOME EXPECTATIONS AND STUDENT LOAN REPAYMENT PLAN CHOICE
468	\$59,865	SYNOPTIC DATA CORP	Andresen, Jeffrey	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	NATIONAL MESONET PROGRAM FOR MSU ENVIROWEATHER EFFORT

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469	\$26,631	NATURAL RESOURCES CONSERVATION SERVICE	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	UPDATING THE NRCS ONLINE COURSES, INTRODUCTION TO IMAGE INTERPRETATION AND INTRODUCTION TO DIGITAL REMOTE SENSING
470	\$421,318	CLEMSON UNIV	Mack, Elizabeth	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	FW-HTF-RL: PREPARING THE FUTURE WORKFORCE FOR THE ERA OF AUTOMATED VEHICLES (WEAVE)
471	\$103,524	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Pearson, Amber	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	HEALTH POLICY ANALYSIS AND MAPPING
472	\$15,000	USDA-NATURAL RESOURCES CONSERVATION SERVICE	Schaetzl, Randall	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	2022 NORTH CENTRAL REGION NATIONAL COOPERATIVE SOIL SURVEY CONFERENCE
473	\$60,000	NATIONAL PARK SERVICE	Theuerkauf, Ethan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	GRADUATE STUDENT SUPPORT FOR NATHANIEL PENROD
474	\$243,410	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Fan, Peilei	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	DIVERGENT LOCAL RESPONSES TO GLOBALIZATION: URBANIZATION, LAND TRANSITION, AND ENVIRONMENTAL CHANGES IN SOUTHEAST ASIA
475	\$44,245	COLORADO STATE UNIV	Henebry, Geoffrey	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	UNDERSTANDING URBAN CENTERS AS ECOLOGICAL TRAPS FOR AVIAN MIGRANTS
476	\$516,661	NATIONAL SCIENCE FOUNDATION	Moran, Emilio	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	GCR: CONVERGENCE FOR INNOVATIVE ENERGY SOLUTIONS: EMPOWERING OFF-GRID COMMUNITIES WITH SUSTAINABLE ENERGY TECHNOLOGIES
477	\$622,294	NATIONAL INST OF HEALTH	Pearson, Amber	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	IMPACT OF ECOLOGICAL PARK RESTORATION ON HEALTH IN LOW INCOME NEIGHBORHOODS: A NATURAL EXPERIMENT
478	\$68,537	KBR	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	LAND SATELLITES DATA SYSTEM (LSDS) EROS, CAL/VAL CENTER OF EXCELLENCE (ECCOE)
479	\$19,997	CORP FOR DIGITAL SCHOLARSHIP	Leon, Sharon	HISTORY	OMEKA MANAGEMENT
480	\$63,000	US DEPT OF EDUCATION	Skibbe, Lori	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	SUPPLEMENTAL REQUEST FOR THE DEVELOPMENT OF THE INVENTORY OF PHONOLOGICAL AWARENESS USING ALTERNATIVE RESPONSES
481	\$442,630	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
482	\$292,553	NATIONAL SCIENCE FOUNDATION	Rho, Hye Jin	HUMAN RESOURCES AND LABOR RELATIONS	UPSKILLING WORKERS AND RE-DESIGNING WORKPLACES FOR THE FUTURE OF AUTOMATION IN THE HOSPITALITY INDUSTRY

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483	\$104,596	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Grossmann, Matthew	INST FOR PUBLIC POLICY SOCIAL RESEARCH	MICHIGAN CHEMICAL EXPOSURE MONITORING (MICHEM)
484	\$28,436	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Grossmann, Matthew	INST FOR PUBLIC POLICY SOCIAL RESEARCH	MICHIGAN CHEMICAL EXPOSURE MONITORING (MICHEM)
485	\$50,000	NEW VENTURE FUND	Grossmann, Matthew	INST FOR PUBLIC POLICY SOCIAL RESEARCH	ENSURING THE SUCCESS OF MICHIGAN'S INDEPENDENT CITIZENS REDISTRICTING COMMISSION
486	\$43,990	FOLKE BERNADOTTE ACADEMY	Wahman, Michael	POLITICAL SCIENCE	URBAN ELECTION VIOLENCE AND POLITICAL EXCLUSION IN AFRICA
487	\$25,272	NATIONAL INST OF HEALTH	Bogat, G	PSYCHOLOGY SOCIAL SCIENCE	INTIMATE PARTNER VIOLENCE AND EARLY MOTHER-CHILD BONDING
488	\$30,977	BOSTON UNIV	Brascamp, Jan	PSYCHOLOGY SOCIAL SCIENCE	HOW DOES NORMALIZATION REGULATE VISUAL COMPETITION?
489	\$156,354	NATIONAL INST OF HEALTH	Burt, Alex	PSYCHOLOGY SOCIAL SCIENCE	MECHANISMS UNDERLYING RESILIENCE TO NEIGHBORHOOD DISADVANTAGE (ADMINISTRATIVE SUPPLEMENT)
490	\$1,542,903	NATIONAL INST OF HEALTH	Burt, Alex	PSYCHOLOGY SOCIAL SCIENCE	QUANTIFYING THE CONTRIBUTIONS OF MITOCHONDRIAL DNA TO ALZHEIMER'S DISEASE AND RELATED CONDITIONS OF AGING
491	\$697,233	NATIONAL INST OF HEALTH	Burt, Alex	PSYCHOLOGY SOCIAL SCIENCE	MECHANISMS UNDERLYING RESILIENCE TO NEIGHBORHOOD DISADVANTAGE
492	\$603,248	NATIONAL INST OF HEALTH	Burt, Alex	PSYCHOLOGY SOCIAL SCIENCE	THE METHYLOMIC CONSEQUENCES OF NEIGHBORHOOD DISADVANTAGE FOR YOUTH RISK-TAKING BEHAVIORS.
493	\$176,149	MICHIGAN STATE POLICE	Campbell, Rebecca	PSYCHOLOGY SOCIAL SCIENCE	THE INFLUENCE OF SEXUAL ASSAULT KIT (SAK) DNA EVIDENCE ON CASE PROGRESSION: INVESTIGATOR AND PROSECUTION PERSPECTIVES
494	\$164,424	WAKE FOREST UNIV	Chopik, William	PSYCHOLOGY SOCIAL SCIENCE	THE EMERGENCE OF HONESTY IN INDIVIDUAL, DYADIC, AND GROUP SETTINGS
495	\$74,000	AUTISM SPEAKS	Drahota, Amy	PSYCHOLOGY SOCIAL SCIENCE	IMPLEMENTATION STRATEGY MAPPING METHODS TO IMPROVE AUTISM EBP UTILIZATION IN LOW-RESOURCED SETTINGS
496	\$37,981	NATIONAL INST OF HEALTH	Drahota, Amy	PSYCHOLOGY SOCIAL SCIENCE	EXAMINING THE ACTIVE INGREDIENTS OF CONSULTATION TO IMPROVE IMPLEMENTATION OF A PARENT-MEDIATED INTERVENTION FOR CHILDREN WITH AUTISM IN THE COMMUNITY MENTAL HEALTH SYSTEM.
497	\$38,299	NATIONAL INST OF HEALTH	Frost, Kyle	PSYCHOLOGY SOCIAL SCIENCE	USING THE THEORY OF CHANGE FRAMEWORK TO MAP ACTIVE INGREDIENTS AND MECHANISMS OF CHANGE UNDERLYING AN EARLY PARENT-IMPLEMENTED INTERVENTION FOR AUTISM SPECTRUM DISORDER



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498	\$368,307	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Gregory, Katie	PSYCHOLOGY SOCIAL SCIENCE	CRIME VICTIM ADMINISTRATIVE FEDERAL ASSISTANCE
499	\$282,339	NATIONAL INST OF HEALTH	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	ADMINISTRATIVE SUPPLEMENT: A TWIN STUDY OF EXOGENOUS HORMONE EXPOSURE AND RISK FOR BINGE EATING
500	\$617,941	NATIONAL INST OF HEALTH	Levendosky, Alytia	PSYCHOLOGY SOCIAL SCIENCE	TIMING OF PRENATAL STRESS AND EARLY MARKERS OF CHILD PSYCHOPATHOLOGY
501	\$188,920	NATIONAL INST OF HEALTH	Levendosky, Alytia	PSYCHOLOGY SOCIAL SCIENCE	TIMING OF PRENATAL STRESS AND INFANT REGULATORY FUNCTIONING
502	\$100,000	NATIONAL INST OF HEALTH	Puckett, Jae	PSYCHOLOGY SOCIAL SCIENCE	MEASURE DEVELOPMENT TO ADVANCE THE SCIENTIFIC STUDY OF MINORITY STRESS IN TRANSGENDER INDIVIDUALS
503	\$129,652	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Sullivan, Cris	PSYCHOLOGY SOCIAL SCIENCE	VOCA DISCRETIONARY TRAINING
504	\$227,750	UNIVERSITY OF MICHIGAN	Yan, Lili	PSYCHOLOGY SOCIAL SCIENCE	DIURNAL EXPERIMENTAL MODELS TO INVESTIGATE NEURAL MECHANISMS OF SLEEP DISTURBANCE IN SMITH-MAGENIS SYNDROME
505	\$12,000	MICHIGAN DEPT OF LICENSING & REGULATORY AFFAIRS	Beecher, Janice	PUBLIC UTILITIES INSTITUTE	UCPB ADMINISTRATIVE COORDINATOR
506	\$291,000	INST OF INTL EDUCATION	Green, Ashley	SOCIAL SCIENCE DEAN	HUBERT H. HUMPHREY FELLOWSHIP PROGRAM
507	\$355,136	RESEARCH FOUNDATION OF SUNY	Anderson, Gary	SOCIAL WORK	CHILD WELFARE TRAINING: THE NATIONAL CHILD WELFARE WORKFORCE INSTITUTE
508	\$240,000	MICHIGAN DEPT OF TECHNOLOGY MANAGEMENT & BUDGET	Anderson, Gary	SOCIAL WORK	IN-SERVICE CHILD WELFARE TRAINING
509	\$410,244	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brock, Michele	SOCIAL WORK	KINSHIP SUPPORT PROGRAM
510	\$29,467	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
511	\$14,000	SOCIAL SCIENCE RESEARCH COUNCIL	Chaudhuri, Soma	SOCIOLOGY SOCIAL SCIENCE	PANDEMICS AND MIGRANT PRECARIETY: NORTH-SOUTH DIALOGUES

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512	\$26,857	LANSING REGIONAL SISTER CITIES COMMISSION	Gasteyer, Stephen	SOCIOLOGY SOCIAL SCIENCE	FOSTERING DIVERSITY IN GREATER LANSING - AN INTER-SCHOOL YOUTH LED INITIATIVE
513	\$36,950	UNIVERSITY OF TEXAS AT AUSTIN	Liu, Hui	SOCIOLOGY SOCIAL SCIENCE	RACE/ETHNIC DIFFERENCES IN LIFE COURSE EXPOSURE TO DEATH: CONSEQUENCES FOR HEALTH
514	\$207,534	PENNSYLVANIA STATE UNIV	McCright, Aaron	SOCIOLOGY SOCIAL SCIENCE	BRAIN INITIATIVE: RESEARCH ON THE ETHICAL IMPLICATIONS OF ADVANCEMENTS IN NEUROTECHNOLOGY AND BRAIN SCIENCE
<b>ASC PROVOST FOR UNDERGRADUATE EDUCATION</b>					
515	\$785,168	US DEPT OF EDUCATION	Royal, Genyne	SUPPORTIVE SERVICES PROGRAM	MICHIGAN STATE UNIVERSITY STUDENT SUPPORT SERVICES
<b>COLLEGE OF VETERINARY MEDICINE</b>					
516	\$77,303	SEATTLE CHILDRENS RESEARCH INST	Moeser, Adam	LARGE ANIMAL CLINICAL SCIENCES	FXIIIa PRODUCTION BY MAST CELLS FOR INNATE IMMUNITY
517	\$7,695	UNIVERSITY OF CALIFORNIA DAVIS	O'Connor, Annette	LARGE ANIMAL CLINICAL SCIENCES	TOXMSDT: AN INNOVATIVE TOXICOLOGY PATHWAY MENTORING PROGRAM TARGETING UNDERREPRESENTED STEM STUDENTS
518	\$42,888	AMER QUARTER HORSE ASSOC	Schott, Harold	LARGE ANIMAL CLINICAL SCIENCES	EFFECTS OF PHENYLBUTAZONE, FLUNIXIN MEGLUMINE, AND KETOPROFEN ON RENAL EFFECTS OF FUROSEMIDE IN HORSES
519	\$155,000	US ISRAEL BINATIONAL AG RSCH DEV FUND	Gorgoglione, Bartolomeo	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	ELUCIDATING CARP RESPONSES AND VIRULENCE STRATEGIES DURING CYHV-3 INFECTION OF HOSTS WITH DIFFERENT SUSCEPTIBILITY PATTERNS
520	\$19,461	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	GENE-ENVIRONMENT INTERACTIONS WITH OZONE AND NON-ATOPIC ASTHMA
521	\$324,200	CYSTIC FIBROSIS FOUNDATION	Carey, Stephan	SMALL ANIMAL CLINICAL SCIENCES	COMPUTATIONAL MODELING OF AEROSOL DOSIMETRY IN THE FERRET RESPIRATORY TRACT
522	\$363,550	NATIONAL INST OF HEALTH	Petersen-Jones, Simon	SMALL ANIMAL CLINICAL SCIENCES	TRANSLATIONAL GENE THERAPY FOR CNGB1 RETINITIS PIGMENTOSA
523	\$41,450	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Averill, James	VETERINARY DIAGNOSTIC LABORATORY	BIOTERRORISM PREPAREDNESS - DIAGNOSTIC CTR FOR POPULATION AND ANIMAL HEALTH
524	\$250,000	NATIONAL INST OF FOOD & AGRICULTURE	Averill, James	VETERINARY DIAGNOSTIC LABORATORY	MICHIGAN STATE UNIVERSITY, VETERINARY DIAGNOSTIC LABORATORY, NATIONAL ANIMAL HEALTH LABORATORY NETWORK (NAHLN) LEVEL 1

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	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
525	\$281,200	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Averill, James	VETERINARY DIAGNOSTIC LABORATORY	MICHIGAN STATE UNIVERSITY, VETERINARY DIAGNOSTIC LABORATORY, NATIONAL ANIMAL HEALTH LABORATORY NETWORK (NAHLN) LEVEL 1
526	\$12,000	AGRICULTURAL RESEARCH SERVICE	Mejia Abreu, Hilda	VETERINARY MEDICINE DEAN	AMENDMENT COOPERATIVE AGREEMENT 59-6040-9-002A1- SUPPORT USDA CAPITAL MANAGEMENT PLAN THROUGH PARTNERSHIP WITH MICHIGAN STATE UNIVERSITY
527	\$14,850	UNIVERSITY OF MINNESOTA	Milbrath, Meghan	VETERINARY MEDICINE DEAN	CHARACTERIZATION OF MELISSOCOCCUS PLUTONIUS STRAINS IN MICHIGAN HONEY BEES
<b>FACILITY FOR RARE ISOTOPE BEAMS</b>					
528	\$40,000	ARGONNE NATIONAL LABORATORY	Bultman, Nathan	FACILITY FOR RARE ISOTOPE BEAMS	TRAINING ON THE NETOBS SOFTWARE
529	\$18,500,000	US DEPT OF ENERGY	Glasmacher, Thomas	FACILITY FOR RARE ISOTOPE BEAMS	FACILITY FOR RARE ISOTOPE BEAMS TRANSITION TO OPERATION AND OPERATION AS SCIENTIFIC USER FACILITY
530	\$178,000	US DEPT OF ENERGY	Ringle, Ryan	FACILITY FOR RARE ISOTOPE BEAMS	GAS STOPPER DEVELOPMENTS FOR IMPROVED PURITY AND INTENSITY OF LOW-ENERGY, RARE ISOTOPE ION BEAMS
531	\$1,500,000	STANFORD LINEAR ACCELERATOR CENTER	Xu, Ting	FACILITY FOR RARE ISOTOPE BEAMS	PROPOSAL TO SUPPLY LCLS-II HE SRF GUN
532	\$230,000	NATIONAL SCIENCE FOUNDATION	Brown, B	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR STRUCTURE THEORY AND ITS APPLICATIONS TO NUCLEAR PROPERTIES, ASTROPHYSICS AND FUNDAMENTAL PHYSICS
533	\$1,173,084	NATIONAL SCIENCE FOUNDATION	Gueye, Paul	NAT'L SUPERCONDUCTING CYCLOTRON LAB	WINDOWS ON THE UNIVERSE: STUDY OF OPEN QUANTUM SYSTEMS IN ATOMIC NUCLEI
534	\$1,500,000	NATIONAL SCIENCE FOUNDATION	Minamisono, Kei	NAT'L SUPERCONDUCTING CYCLOTRON LAB	THE PRECISION FRONTIER AT FRIB: MASSES, RADII, MOMENTS, AND FUNDAMENTAL INTERACTIONS
535	\$22,775	LAWRENCE LIVERMORE NATIONAL LABORATORY	Nunes, Filomena	NAT'L SUPERCONDUCTING CYCLOTRON LAB	FRIB THEORY FELLOW AT LAWRENCE LIVERMORE NATIONAL LABORATORY - HEBBORN
536	\$90,000	NATIONAL SCIENCE FOUNDATION	Shindler, Andrea	NAT'L SUPERCONDUCTING CYCLOTRON LAB	FUNDAMENTAL SYMMETRIES USING LATTICE QCD WITH THE GRADIENT FLOW
537	\$59,000	US DEPT OF ENERGY	Singh, Jaideep	NAT'L SUPERCONDUCTING CYCLOTRON LAB	ELECTRIC FIELD & ATOMIC BEAM DEVELOPMENT FOR THE LASER TRAP RA-225 EDM EXPERIMENT
<b>ASC PROV FOR UNIV OUTREACH ENGAGEMENT</b>					

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538	\$331,972	DEPT OF LABOR & ECONOMIC OPPORTUNITY	Anthony, Stephanie	ADMIN SUPPORT MLK INITIATIVE	MI GEAR UP
539	\$350,000	MICHIGAN DEPT OF EDUCATION	Wu, Jamie	COMMUNITY EVALUATION AND RSCH COLLABRTVE	THE STATE EVALUATION OF THE GREAT START READINESS PROGRAMS_YEAR 5 STUDY
540	\$17,000	CORP FOR NATIONAL & COMMUNITY SERVICE AMERICORPS	Barnes Najor, Jessica	OUTREACH AND ENGAGEMENT PARTNERSHIPS	MSU STATE OPIOID PROJECT
541	\$150,000	US ECONOMIC DEVELOPMENT ADMINISTRATION	Lamore, Rex	OUTREACH AND ENGAGEMENT PARTNERSHIPS	MSU EDA UNIVERSITY CENTER FOR REGIONAL ECONOMIC INNOVATION (REI)
542	\$7,323,547	SMALL BUSINESS ADMINISTRATION	Brand, Michael	PERFORMING ARTS FACILITIES AND PROGRAMS	SHUTTERED VENUE OPERATOR GRANT FOR COVID-19 RELIEF
<b>INTERNATIONAL STUDIES AND PROGRAMS</b>					
543	\$44,196	US DEPT OF EDUCATION	Green, Ashley	AFRICAN STUDIES CENTER	FULBRIGHT-HAYS DOCTORAL DISSERTATION RESEARCH ABROAD FELLOWSHIP PROGRAM
544	\$630,872	US DEPT OF STATE	Wright, Wynne	CENTER FOR GENDER IN GLOBAL CONTEXT	ADVANCING YOUNG WOMEN AGRIBUSINESS ENTREPRENEURS AND INNOVATORS: A RWANDA-SOUTH AFRICA-ZAMBIA-ZIMBABWE-U.S. PARTNERSHIP
545	\$63,428	US DEPT OF STATE	McCracken, Benjamin	INTERNATIONAL STUDIES AND PROGRAMS DEAN	JCMU COMMUNICATIVE ENGLISH TEACHER MENTORING PROGRAM
546	\$14,964	US DEPT OF STATE	McCracken, Benjamin	INTERNATIONAL STUDIES AND PROGRAMS DEAN	JCMU - CONSUL GENERAL'S YOUTH ADVISORY COUNCIL LEADERSHIP PROJECT
547	\$499,900	US DEPT OF STATE	Wu, Xinyu	VISITING INTNL PROFESSIONAL PROGRAM	DEVELOPING FEMALE LEADERSHIP IN HIGHER EDUCATION
<b>MSU AGBIORESEARCH</b>					
548	\$46,000	MICHIGAN MILK PRODUCERS ASSOC	Lock, Adam	ANIMAL SCIENCE DEPARTMENT MABR	MAXIMIZING YIELDS OF MILK FAT AND PROTEIN UTILIZING HOMEGROWN HIGH OLEIC ACID SOYBEANS AND COTTONSEED BY-PRODUCTS
549	\$66,309	UNIVERSITY OF ILLINOIS	Asher, Aaron	MSU AGBIORESEARCH DIR OFC	RESOLVING SPATIOTEMPORAL NON-POINT NUTRIENT FLUXES FROM SOILS TO WATER BY CONTINUOUS IN SITU N AND P MONITORING TO ACHIEVE MULTISTATE NUTRIENT LOSS REDUCTION GOALS
550	\$6,870	VARIOUS INDUSTRIES	Bales, Scott	PLANT SOIL AND MICROBIAL SCIENCES	BALES PSM TESTING

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551	\$898,527	UNIVERSITY OF WISCONSIN	Cassida, Kimberly	PLANT SOIL AND MICROBIAL SCIENCES	FOSTERING RESILIENCE AND ECOSYSTEM SERVICES IN LANDSCAPES BY INTEGRATING DIVERSE PERENNIAL CIRCULAR SYSTEMS.
552	\$165,700	VARIOUS INDUSTRIES	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	CHILVERS PSM TESTING
553	\$281,139	UNIVERSITY OF GEORGIA	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	MINING THE WILD SPECIES SOLANUM MICRODONTUM FOR IMPROVEMENT OF CULTIVATED POTATO
554	\$5,652,511	US AGENCY FOR INTL DEVELOPMENT	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	FEED THE FUTURE GLOBAL BIOTECH POTATO PARTNERSHIP
555	\$71,190	VARIOUS INDUSTRIES	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	DOUCHES PSM TESTING
556	\$177,559	UNIVERSITY OF WISCONSIN MADISON	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	CREATING A NEW PARADIGM FOR POTATO BREEDING AND SEED PRODUCTION BASED ON TRUE POTATO SEED
557	\$72,200	VARIOUS INDUSTRIES	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	HAUSBECK PSM TESTING
558	\$75,378	BEET SUGAR DEVELOPMENT FOUNDATION	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	FUNDS TO COVER FIELD RESEARCH TECHNICIAN SALARY
559	\$1,498,000	US ENVIRONMENTAL PROTECTION AGENCY	Li, Hui	PLANT SOIL AND MICROBIAL SCIENCES	ASSESSING BIOSOLID TREATMENT PROCESSES ON ENVIRONMENTAL FATE AND PLANT UPTAKE OF POLLUTANTS FROM LAND APPLICATION OF BIOSOLIDS
560	\$19,397	OHIO STATE UNIV	Miesel, Jessica	PLANT SOIL AND MICROBIAL SCIENCES	FIRE-SCIENCE NETWORK AND DELIVERY SYSTEM FOR FIRE-DEPENDENT ECOSYSTEMS OF THE NORTHERN LAKE STATES
561	\$85,000	USDA FOREST SERVICE	Miesel, Jessica	PLANT SOIL AND MICROBIAL SCIENCES	ECOSYSTEM RESILIENCE AND CLIMATE-ADAPTIVE FOREST MANAGEMENT STRATEGIES
562	\$33,436	MICHIGAN WHEAT PROGRAM	Pennington, Dennis	PLANT SOIL AND MICROBIAL SCIENCES	FUNDS FROM MICHIGAN WHEAT PROGRAM TO COVER SALARY AND OPERATING EXPENSES FOR MSU WHEAT BREEDER FROM 04/01/21 - 09/30/21
563	\$45,982	KEWEENAW BAY OJBWA COMMUNITY COLLEGE	Asher, Aaron	WATER RESEARCH INSTITUTE MABR	EXPANDING GROUNDWATER RESEARCH IN BARAGA COUNTY, MICHIGAN: ASSESSING AND REMEDIATING TOXIC METALS IN RESIDENTIAL WELLS
564	\$125,000	US GEOLOGICAL SURVEY	Infante, Dana	WATER RESEARCH INSTITUTE MABR	IMPROVING ECOSYSTEM SERVICES AND WATER QUALITY THROUGH APPLIED RESEARCH AND TECHNOLOGY ADVANCEMENTS
<b>MICHIGAN STATE UNIVERSITY EXTENSION</b>					
565	\$7,456	AMER MALTING BARLEY ASSOC INC	Baas, Dean	EXTENSION AGRICULTURE AND AGRIBUSINESS	EVALUATING WINTER BARLEY VARIETIES FOR MALTING AND BREWING IN THE GREAT LAKES REGION

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566	\$227,370	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Fronczak, Sarah	EXTENSION AGRICULTURE AND AGRIBUSINESS	MICHIGAN CONSERVATION RESERVE ENHANCEMENT PROGRAM - CONTINUATION
567	\$9,920	MONSANTO CO	Goldy, Ronald	EXTENSION AGRICULTURE AND AGRIBUSINESS	2021 PICKLING CUCUMBER HYBRID TRIALS
568	\$8,935	FORGOTTEN HARVEST	Phillips, Benjamin	EXTENSION AGRICULTURE AND AGRIBUSINESS	CULTURAL TECHNIQUES TO IMPROVING MID-SUMMER BROCCOLI YIELDS.
569	\$250,000	US ENVIRONMENTAL PROTECTION AGENCY	Smith, Thomas	EXTENSION AGRICULTURE AND AGRIBUSINESS	ENGAGING ALL STAKEHOLDERS: MEETING THE INCREASING NEEDS OF PESTICIDE APPLICATOR CERTIFICATION AND WORKER PROTECTION THROUGH INCREASED COLLABORATION AND DIVERSITY OF PARTNERS AND STAKEHOLDERS, WITH EXP
570	\$14,991	IOWA STATE UNIV	Tocco, Phillip	EXTENSION AGRICULTURE AND AGRIBUSINESS	CONTINUED SUCCESSFUL IMPLEMENTATION OF FSMA IN THE NORTH CENTRAL REGION THROUGH ADOPTION OF A SYSTEMS APPROACH AND STAKEHOLDER ENGAGEMENT
571	\$249,992	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Tocco, Phillip	EXTENSION AGRICULTURE AND AGRIBUSINESS	FOOD SAFETY MODERNIZATION ACT EDUCATION
572	\$10,125	MICHIGAN STATE HORTICULTURAL SOCIETY	Wallis, Anna	EXTENSION AGRICULTURE AND AGRIBUSINESS	APPLE MATURITY MANIPULATION - USE OF PGR'S AND OTHER PRODUCTS
573	\$57,960	NATIONAL 4H COUNCIL	Cox II, Frank	EXTENSION CHILDREN AND YOUTH	4-H NATIONAL MENTORING PROGRAM YEAR 11
574	\$53,540	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
575	\$46,590	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
576	\$11,725	BARRY COUNTY UNITED WAY	Kilpatrick, Glenda	EXTENSION CHILDREN AND YOUTH	BARRY COUNTY MSU EXTENSION 4-H PROGRAM
577	\$242,061	MICHIGAN COMMUNITY SERVICE COMMISSION	Schulz, Jodi	EXTENSION CHILDREN AND YOUTH	MICHIGAN'S AMERICORPS FORMULA CONTINUATION 20-21 FUNDING
578	\$21,972	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Tobe, Erica	EXTENSION CHILDREN AND YOUTH	YOUTH IN AGRICULTURE EDUCATION ON INFLUENZA AND ZOO NOTIC DISEASES
579	\$59,963	NATIONAL 4H COUNCIL	Wibby, Brian	EXTENSION CHILDREN AND YOUTH	4-H NATIONAL MENTORING PROGRAM YEAR 11

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580	\$49,829	MICHIGAN DEPT OF LICENSING & REGULATORY AFFAIRS	Zerbe, Janice	EXTENSION CHILDREN AND YOUTH	FINANCIAL FUN AND FITNESS FOR YOUTH
581	\$28,294	UNIVERSITY OF MICHIGAN	Breederland, Mark	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	CLEAN VESSEL ACT – BOATING PUMPOUT GRANTS PROGRAM
582	\$52,600	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Conklin, Tina	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	BOTTLING / CANNING EQUIPMENT PURCHASE FOR USE IN PRODUCT DEVELOPMENT AND PRODUCTION
583	\$12,221	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Elgin, Erick	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	EARLY DETECTION OF EUROPEAN FROG-BIT IN INLAND WATERBODIES, RESPONDING TO AQUATIC INVASIVE PLANTS ON MICHIGAN’S WATCH LIST, AND RESTORATION AFTER ERADICATION.
584	\$96,000	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	Ivan, David	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	STATE OF MICHIGAN EMPLOYEE NETWORK ANALYSIS TO ENHANCE FIELD STAFF EFFECTIVENESS
585	\$10,000	AMERICANA FOUNDATION	Mathis, Michael	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	EQUIPMENT GRANT - IMPROVING ACCESS FOR PERSONS WITH LIMITED MOBILITY
586	\$29,991	US ARMY CORPS OF ENGINEERS	Miller, Steven	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	ARMY INSTITUTE FOR WATER RESOURCES - INTERGOVERNMENTAL PERSONNEL AGREEMENT
587	\$24,076	UNIVERSITY OF MINNESOTA	Nelson, Elliot	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	GREAT LAKES SEA GRANT AQUACULTURE COLLABORATIVE
588	\$19,923	PURDUE UNIV	Proctor, Emily	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	TRIBAL NATIONS LEAD! LEADERSHIP DEVELOPMENT IN THE GREAT LAKES REGION (TNLLD)
589	\$155,000	UNIVERSITY OF MICHIGAN	Triezenberg, Heather	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	GLANSIS
590	\$177,751	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Contreras, Dawn	EXTENSION HEALTH AND NUTRITION	PHYSICIAN PEER EDUCATION ON IMMUNIZATION
591	\$201,048	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	East, Deanna	EXTENSION HEALTH AND NUTRITION	FY22 VETERAN SNAP OUTREACH PROGRAM

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592	\$8,000,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	East, Deanna	EXTENSION HEALTH AND NUTRITION	SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM - EDUCATION FY2022
593	\$147,962	UNIVERSITY OF ILLINOIS	Eschbach, Cheryl	EXTENSION HEALTH AND NUTRITION	NORTH CENTRAL FARM AND RANCH STRESS ASSISTANCE CENTER: ENGAGING PROGRAMS
594	\$467,297	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Eschbach, Cheryl	EXTENSION HEALTH AND NUTRITION	MICHIGAN - FARM AND RANCH STRESS ASSISTANCE NETWORK
595	\$46,794	PURDUE UNIV	Skidmore, Mark	MSUE DIRECTORS OFFICE	NCRCRD-RESILIENT RURAL COMMUNITIES
596	\$59,938	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Cole-Wick, Ashley	NATURAL FEATURES INVENTORY MSUE	INVASIVE SPECIES PRIORITIZATION MODEL & PLAN FOR FORT CUSTER TRAINING CENTER
597	\$27,914	ST JAMES TOWNSHIP	Higman, Phyllis	NATURAL FEATURES INVENTORY MSUE	PROTECTING THREATENED AND ENDANGERED SPECIES AND RARE HABITAT ON BEAVER ISLAND
598	\$566,000	US FISH & WILDLIFE SERVICE	Rowe, Logan	NATURAL FEATURES INVENTORY MSUE	POWESHIEK SKIPPERLING CONSERVATION, HABITAT MANAGEMENT, AND CAPTIVE REARING - 3
599	\$45,000	MICHIGAN SUGARBEET ADVANCEMENT	Bublitz, Daniel	PLANT SOIL AND MICROBIAL SCIENCES	SUGARBEET ADVANCEMENT FUNDS - SALARY AND FRINGE FOR RG072614 BUBL
600	\$115,939	MICHIGAN FITNESS FOUNDATION	Beyea, Wayne	SCHL OF PLANNING,DESIGN&CNST-MSUE	SAFE ROUTES TO SCHOOL: 2022
601	\$6,126	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Beyea, Wayne	SCHL OF PLANNING,DESIGN&CNST-MSUE	CLIMATE AND HEALTH COLLABORATION
<b>RESEARCH AND INNOVATION</b>					
602	\$548,647	CENTERS FOR DISEASE CONTROL & PREVENTION	Kasten, Eric	CLINICAL AND TRANSLATIONAL SCIENCES	DATA COORDINATING CENTER (DCC) FOR REMOTE DATA ACCESS (RDA) AND SHAREPOINT.
603	\$511,972	NATIONAL INST OF HEALTH	Kaminski, Norbert	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	CANNABIS USE FREQUENCY AND ITS IMPACT ON MONOCYTE-MEDIATED INFLAMMATION IN HIV PATIENTS
604	\$130,000	SKINNY LABS INC DBA SPIN	Nelson, Brice	MSU INNOVATION CENTER	SPIN REVENUE SHARE
605	\$25,000	UNIVERSITY OF MICHIGAN	Chylla, Richard	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY TRANSFER TALENT NETWORK - 8



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606	\$350,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	MTRAC SEPT,2020 AUG,2021
607	\$50,400	INTELLIGUARD INTELLIGENT INVENTORY SOLUTIONS	Whipple, Judith	OFFICE OF RESEARCH AND INNOVATION	A HOLISTIC REVIEW OF DIRECT, INDIRECT AND STRATEGIC BENEFITS OF RFID IMPLEMENTATION IN THE HEALTHCARE SUPPLY CHAIN
<b>VICE PRES FOR STUDENT AFFAIRS SERVICES</b>					
608	\$468,928	COLLEGE ADVISING CORPS	Shaw, Allyn	STUDENT AFFAIRS SERVICES VICE PRES	FY22 MSU COLLEGE ADVISING CORPS PROGRAM SUPPORT
<b>GRADUATE SCHOOL DEAN</b>					
609	\$48,000	COUNCIL OF GRADUATE SCHOOLS	Jeitschko, Thomas	GRADUATE SCHOOL DEAN	A NEW PLAN A: DIVERSE CAREER JOURNEYS FOR HUMANITIES PHDS
<b>UNIVERSITY ADVANCEMENT</b>					
610	\$14,934,149	VARIOUS DONORS - ADVANCEMENT	Heil, Marti	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR THE PERIOD 07/01/2021 TO 09/30/2021
<b>INFRASTRUCTURE PLANNING AND FACILITIES</b>					
611	\$6,000,000	CENTERS FOR DISEASE CONTROL & PREVENTION	Furr-Holden, Debra	IPF CAMPUS SERVICES CUSTODIAL SERVICES	THE NATIONAL NETWORK TO INNOVATE FOR COVID-19 AND ADULT VACCINE EQUITY (NNICE)
<b>GENERAL UNIVERSITY ITEMS</b>					
612	\$1,728,687	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Weismantel, David	CENTER FOR SURVIVORS	FY 2022 SASRV-2022 – SEXUAL ASSAULT VICTIM SERVICES
613	\$251,254	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rosen, Holly	DOMESTIC SHELTER	DOMESTIC VIOLENCE COUNSELING, ADVOCACY AND VOLUNTEER SERVICES
<b>VARIOUS</b>					
614	\$158,535	VARIOUS	Various	Various	64 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	<b>\$197,024,213</b>	<b>Total December 2021 Board</b>			

CONSIGNMENT/NON-CASH GIFTS  
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GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Laboratory equipment	Agrimetis, LLC	VP Research & Innovation	\$47,875.00	Chemical process development & plant support
2	Unique collection of “Montreux Detroit International Jazz Festival” posters dated between 1980-2020	Howard Gourwitz	College of Music	\$44,900.00	To be hung on the walls in the College of Music
3	Typhoon HIL402 emulator hardware unit, licenses & accessories	Typhoon HIL, Inc	Electrical & Computer Engineering	\$31,500.00	Educational use
4	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$25,541.52	Recruiting trip for football staff
5	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$17,163.96	Recruiting trip for Coach Izzo
6	Face masks for football players	Dia Foot	Intercollegiate Athletics Spartan Fund	\$17,077.93	Equipment for football team
7	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$9,090.58	Recruiting trip for Coach Izzo
8	Shoes for football players	Dia Foot	Intercollegiate Athletics Spartan Fund	\$7,413.80	Shoes for football players
9	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$7,329.37	Recruiting trip for Coach Izzo
10	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$6,033.33	Recruiting trip for Coach Izzo
11	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$5,254.99	Provided plane for WBB athlete.

CONSIGNMENT/NON-CASH GIFTS  
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12-104	Various	Various	Various	\$89,067.02	93 Consolidated non-cash gifts for individual values less than \$5,000  Details on file in the Contract & Grant Administration office, Hannah Administration Bldg. 426 Auditorium Road, Room 2, East Lansing, MI 48824
			<b>Total</b>	<b>\$308,247.50</b>	