

**MICHIGAN STATE  
UNIVERSITY**



February 3, 2020

**MEMORANDUM**

TO: Members of the Board of Trustees

FROM: Stephen Hsu, Senior 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 November 13, 2019 through January 22, 2020. The report is a compilation of 454 Gifts, Grants and Contracts plus 87 Consignment/Non-Cash Gifts, with a total value of \$95,228,992.



Office of the  
**SENIOR VICE  
PRESIDENT FOR  
RESEARCH AND  
INNOVATION**

Stephen Hsu  
Senior Vice President

Hannah Administration Bldg.  
426 Auditorium Rd, Rm 249  
East Lansing, MI 48824

517/355-0306  
Fax: 517/432-1171

[vprqs.msu.edu](http://vprqs.msu.edu)

FY 2019-20 TOTALS:

- |   |               |
|---|---------------|
| a) Gifts, Grants and Contracts only:              | \$421,115,103 |
| b) Gifts, Grants and Contracts plus Consignments: | \$423,861,193 |

(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.

## Current Period / Year to Date

### Gift & Grant Awards

Meeting Date: 02/14/2020

Current Period: Nov 13, 2019 - Jan 22, 2020

#### AWARD TOTALS

#### # OF AWARDS

Research				Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD	Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$45,354,561	\$216,496,177	80.0%	Federal Government	142	762	51.3%
State of Michigan	\$2,481,449	\$7,370,970	2.7%	State of Michigan	30	71	4.8%
Other	\$4,707,617	\$14,422,790	5.3%	Other	64	252	17.0%
Industry/CO	\$3,104,805	\$7,304,204	2.7%	Industry/CO	65	212	14.3%
Foundation	\$1,680,498	\$22,928,721	8.5%	Foundation	20	90	6.1%
Association	\$843,033	\$2,110,768	0.8%	Association	24	99	6.7%
<b>Research - Total</b>	<b>\$58,171,962</b>	<b>\$270,633,630</b>	<b>100%</b>	<b>Research - Total</b>	<b>346</b>	<b>1,486</b>	<b>100%</b>
Non-Research				Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD	Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$4,525,263	\$36,219,143	24.1%	Federal Government	24	154	30.9%
State of Michigan	\$2,788,433	\$6,615,334	4.4%	State of Michigan	11	43	8.6%
Other	\$1,825,156	\$21,380,766	14.2%	Other	25	76	15.2%
Industry/CO	\$255,138	\$5,124,939	3.4%	Industry/CO	19	133	26.7%
Foundation	\$597,924	\$6,568,023	4.4%	Foundation	23	76	15.2%
Association	\$158,080	\$306,388	0.2%	Association	5	14	2.8%
Various Donors - Advancement	\$26,668,384	\$74,266,880	49.4%	Various Donors - Advancement	1	3	0.6%
<b>Non-Research - Total</b>	<b>\$36,818,378</b>	<b>\$150,481,473</b>	<b>100%</b>	<b>Non-Research - Total</b>	<b>108</b>	<b>499</b>	<b>100%</b>
Total				Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD	Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	\$49,879,824	\$252,715,320	60.0%	Federal Government	166	916	46.1%
State of Michigan	\$5,269,881	\$13,986,304	3.3%	State of Michigan	41	114	5.7%
Other	\$6,532,773	\$35,803,556	8.5%	Other	89	328	16.5%
Industry/CO	\$3,359,943	\$12,429,143	3.0%	Industry/CO	85	345	17.4%
Foundation	\$2,278,422	\$29,496,744	7.0%	Foundation	43	166	8.4%
Association	\$1,001,113	\$2,417,155	0.6%	Association	29	113	5.7%
Various Donors - Advancement	\$26,668,384	\$74,266,880	17.6%	Various Donors - Advancement	1	3	0.2%
<b>TOTAL</b>	<b>\$94,990,340</b>	<b>\$421,115,103</b>	<b>100%</b>	<b>TOTAL</b>	<b>454</b>	<b>1,985</b>	<b>100%</b>

# Current Year / Previous Year

## Gift & Grant Awards

Meeting Date: 02/14/2020

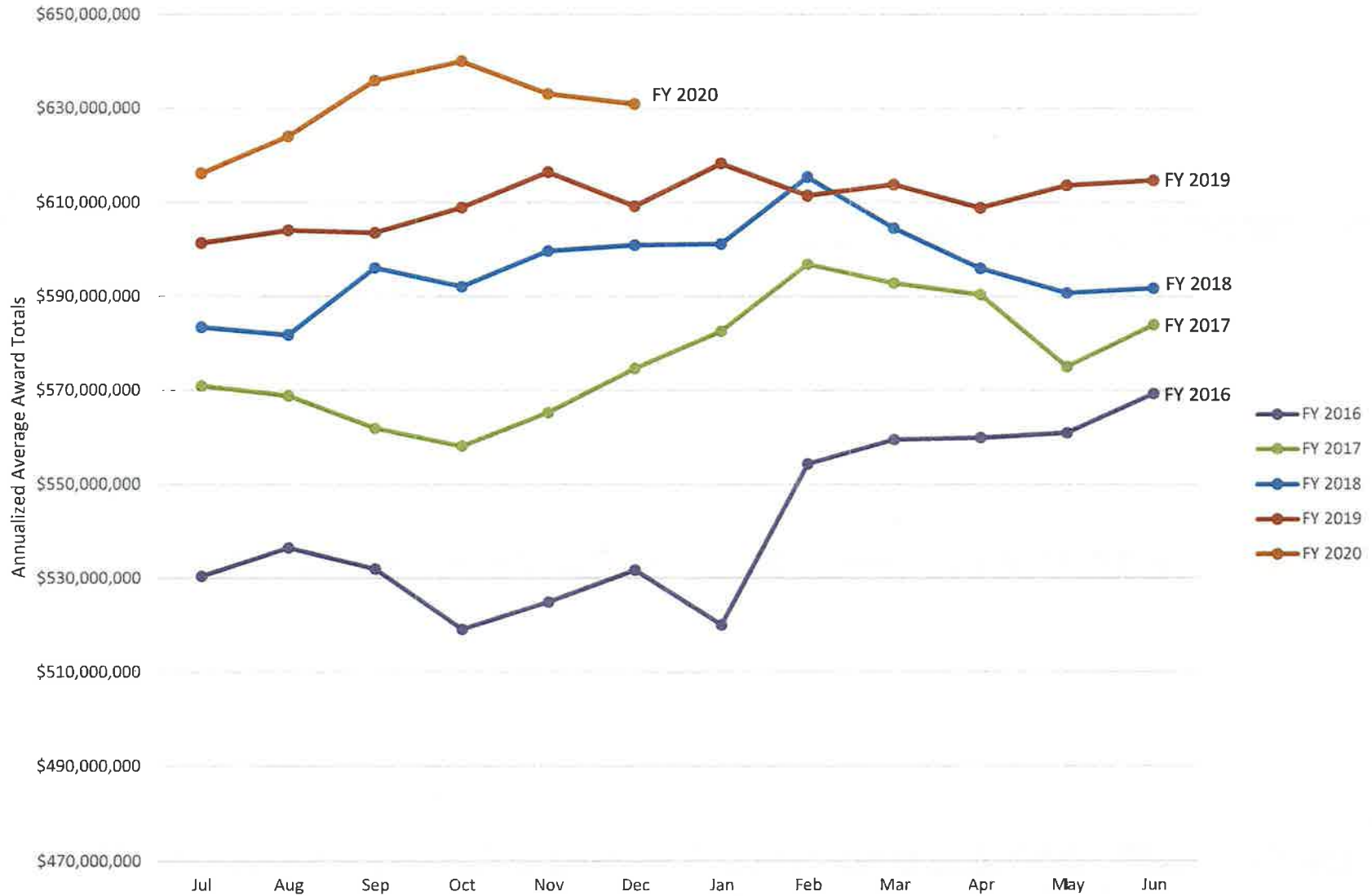
Current Period: Nov 13, 2019 - Jan 22, 2020

### AWARD TOTALS

### # OF AWARDS

Research				Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change	Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	297,622,262	\$216,496,177	-27.3%	Federal Government	764	762	-0.3%
State of Michigan	11,996,718	\$7,370,970	-38.6%	State of Michigan	62	71	14.5%
Other	9,938,793	\$14,422,790	45.1%	Other	225	252	12.0%
Industry/CO	6,063,892	\$7,304,204	20.5%	Industry/CO	213	212	-0.5%
Foundation	18,666,253	\$22,928,721	22.8%	Foundation	68	90	32.4%
Association	2,506,408	\$2,110,768	-15.8%	Association	103	99	-3.9%
<b>Research - Total</b>	<b>346,794,326</b>	<b>\$270,633,630</b>	<b>-22.0%</b>	<b>Research - Total</b>	<b>1,435</b>	<b>1,486</b>	<b>3.6%</b>
Non-Research				Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change	Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	43,103,101	\$36,219,143	-16.0%	Federal Government	143	154	7.7%
State of Michigan	7,800,903	\$6,615,334	-15.2%	State of Michigan	49	43	-12.2%
Other	10,256,831	\$21,380,766	108.5%	Other	118	76	-35.6%
Industry/CO	3,417,152	\$5,124,939	50.0%	Industry/CO	117	133	13.7%
Foundation	3,830,674	\$6,568,023	71.5%	Foundation	60	76	26.7%
Association	590,092	\$306,388	-48.1%	Association	18	14	-22.2%
Various Donors - Advancement	60,488,888	\$74,266,880	22.8%	Various Donors - Advancement	3	3	0.0%
<b>Non-Research - Total</b>	<b>129,487,641</b>	<b>\$150,481,473</b>	<b>16.2%</b>	<b>Non-Research - Total</b>	<b>508</b>	<b>499</b>	<b>-1.8%</b>
Total				Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change	Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	340,725,363	\$252,715,320	-25.8%	Federal Government	907	916	1.0%
State of Michigan	19,797,622	\$13,986,304	-29.4%	State of Michigan	111	114	2.7%
Other	20,195,624	\$35,803,556	77.3%	Other	343	328	-4.4%
Industry/CO	9,481,043	\$12,429,143	31.1%	Industry/CO	330	345	4.5%
Foundation	22,496,927	\$29,496,744	31.1%	Foundation	128	166	29.7%
Association	3,096,500	\$2,417,155	-21.9%	Association	121	113	-6.6%
Various Donors - Advancement	60,488,888	\$74,266,880	22.8%	Various Donors - Advancement	3	3	0.0%
<b>TOTAL</b>	<b>476,281,967</b>	<b>\$421,115,103</b>	<b>-11.6%</b>	<b>TOTAL</b>	<b>1,943</b>	<b>1,985</b>	<b>2.2%</b>

### Michigan State University 3 Year Annualized Average Awards



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

## Top 10 Awards for the February 14, 2020 BOT Meeting

Rank	Sponsor Type	Award Amount	Principal Investigator	Sponsor	Department	New or Modification	Award Activity Type	Project Dates	Project Title
1	Federal Government	6,000,000	Bradley Sherrill	National Science Foundation	NAT'L SUPERCONDUCTING CYCLOTRON LAB	Modification	Research	10/01/2016 09/30/2021	Operation of the NSCL as a National User Facility & Research Program
2	Federal Government	5,940,000	Thomas Glasmacher	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	05/01/2009 01/14/2023	Facility for Rare Isotope Beams (FRIB)
3	Federal Government	2,705,371	Erik Runkle	National Inst of Food & Agriculture	HORTICULTURE ANR	New	Research	09/01/2019 08/31/2023	Improving the profitability and sustainability of indoor leafy-greens production.
4	Federal Government	2,500,000	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
5	Federal Government	2,250,000	Andre Benard	US Dept of Energy	MECHANICAL ENGINEERING	New	Research	09/27/2019 09/26/2022	Heat-Exchanger Intensification through Power Processing and Enhanced Design (HIPPED)
6	State of Michigan	1,833,101	Kathleen Oberst	Michigan Dept of Health & Human Services	THE INSTITUTE FOR HEALTH POLICY	New	Public Service	10/01/2019 09/30/2020	FY20 HCBS HEIGHTENED SCRUTINY PROJECT
7	Federal Government	1,448,604	Terrie Taylor	National Inst of Health	OSTEOPATHIC MEDICAL SPECIALTIES COM	Modification	Research	12/12/2016 11/30/2023	Treating Brain Swelling in Pediatric Cerebral Malaria
8	Industry/CO	1,279,359	Denise Holmes	Alliance Corp	CHM WEST MICHIGAN	New	Research	03/13/2019 06/30/2022	MSU-ALLIANCE TRANSLATIONAL HEALTH RESEARCH IN GRAND RAPIDS
9	Federal Government	1,259,623	Erich Grotewold	National Science Foundation	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	Modification	Research	02/01/2018 01/31/2022	RESEARCH-PGR: Elucidating Maize Gene Regulatory Networks to Accelerate Translational Genomics
10	Federal Government	1,127,000	Nicholas Haddad	National Science Foundation	KELLOGG BIOLOGICAL STATION NAT. SCI.	Modification	Research	12/01/2018 11/30/2023	LTER: Mechanisms of resilience in agricultural landscapes
	<b>TOTAL</b>	<b>26,343,058</b>							

**Gift, Grant and Contract Report  
Board of Trustees  
February 2020**

	Amount	Sponsor	Director	Unit	Purpose
<b>COLLEGE OF AGRICULTURE AND NAT RESOURCES</b>					
1	\$880,912	INTL FOOD POLICY RESEARCH INST	Boughton, Duncan	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	FEED THE FUTURE BURMA AGRICULTURE POLICY SUPPORT ACTIVITY
2	\$898,000	LIVELIHOODS & FOOD SECURITY TRUST	Boughton, Duncan	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	BUILDING THE EVIDENCE FOUNDATION FOR PROMOTION OF AGRIFOOD VALUE CHAIN DEVELOPMENT, SMALL FARM MODERNIZATION & RURAL LIVELIHOODS IN MYANMAR
3	\$500,000	US AGENCY FOR INTL DEVELOPMENT	Flores Navas, Luis	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	ASSOCIATE AWARD APPLICATION (RFAAA) UNDER THE FEED THE FUTURE INNOVATION LAB FOR FOOD SECURITY POLICY, AID-OAA-L-13-00001 VENEZUELA
4	\$23,612	CHARLES KOCH FOUNDATION	Malone, Trey	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	PUBLIC CHOICE MEETS MEAT: IS GOVERNMENT INTERVENTION NEEDED IN MEAT LABELING?
5	\$62,982	IOWA STATE UNIV	Valle de Souza, Simone	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CHOICE OF SEAFOOD: AN ANALYSIS OF THE NORTH CENTRAL REGION MARKET FOR FARM-RAISED SEAFOOD
6	\$40,000	SELECT SIRES INC	Huang, Wen	ANIMAL SCIENCE DEPARTMENT ANR	IDENTIFICATION OF GENETIC MARKERS AND DEVELOPMENT OF GENETIC TESTS FOR BULL FERTILITY
7	\$138,371	ARIZONA STATE UNIV	Rowntree, Jason	ANIMAL SCIENCE DEPARTMENT ANR	MOA#2 - ADAPTIVE MULTI-PADDOCK (AMP) GRAZING MODULE 7 & 8
8	\$16,500	MYTECH BIOTECH CO LTD	Zhou, Zheng	ANIMAL SCIENCE DEPARTMENT ANR	RESEARCH GIFT
9	\$227,498	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
10	\$88,428	MICHIGAN HEALTH ENDOWMENT FUND	Matts, Colleen	DEPARTMENT OF COMMUNITY SUSTAINABILITY	10 CENTS EVALUATION
11	\$36,000	MCKNIGHT FOUNDATION	Morrone, Vicki	DEPARTMENT OF COMMUNITY SUSTAINABILITY	STRENGTHENING FARMER-MANAGED SEED SYSTEMS FOR IMPROVED SEED QUALITY AND ACCESS TO PREFERRED VARIETIES IN MALAWI
12	\$13,888	RUTGERS UNIV	Chen, Zhongxiao	ENTOMOLOGY AGRICULTURE AND NATURAL RES	QUALITY ASSURANCE SERVICES AND SUPPORT FOR IR-4 MINOR USE PESTICIDES AT STATE FACILITIES IN NEW JERSEY AND ASSOCIATED LOCATIONS

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	Amount	Sponsor	Director	Unit	Purpose
13	\$29,873	APPLICATION INSIGHT LLC	Grieshop, Matthew	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DEVELOPING A NON-CONTACT, FAULT DETECTION SYSTEM FOR AIRBLAST-TYPE ORCHARD AND VINEYARD SPRAYERS WITH SIMPLISTIC VISUAL OPERATOR INTERFACE
14	\$6,000	MICHIGAN BEEKEEPERS ASSOC	Huang, Zachary	ENTOMOLOGY AGRICULTURE AND NATURAL RES	GENERAL HONEY BEE RESEARCH
15	\$99,991	MICHIGAN BLUEBERRY COMMISSION	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RISK PREDICTION TO IMPROVE IPM PROGRAMS FOR SPOTTED WING DROSOPHILA IN MICHIGAN BLUEBERRIES
16	\$31,174	RUTGERS UNIV	Jiang, Wayne	ENTOMOLOGY AGRICULTURE AND NATURAL RES	GLP TRAININGS IN LATIN AMERICA ANALYTICAL LABORATORY GLP TRAINING OF CAPACITY BUILDING
17	\$22,600	COUNTY OF SAGINAW	Kaufman, Michael	ENTOMOLOGY AGRICULTURE AND NATURAL RES	ARBO-VIRAL DISEASE TESTING OF SERO SAMPLES AND MOSQUITO POOLS FOR SLE, EEE, WNV, AND CALIFORNIA GROUP ENCEPHALITIS
18	\$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.
19	\$29,412	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Milbrath, Meghan	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MICHIGAN MANAGED POLLINATOR PROTECTION PLAN
20	\$8,000	MORGAN COMPOSTING INC	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MORGAN COMPOSTING - GENERAL RESEARCH GIFT
21	\$12,500	DUPONT CROP PROTECTION	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING PRODUCTS FOR CORTEVA (DUPONT CROP PROTECTION)
22	\$99,382	MICHIGAN CARROT COMMITTEE	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DEVELOPING CULTURAL PRACTICES TO MANAGE CRITICAL PESTS IN CARROT'S
23	\$10,080	MONSANTO CO	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SUGAR BEET/GREENHOUSE: EVALUATION OF SEED TREATMENTS FOR NEMATODE MANAGEMENT
24	\$11,000	ISK BIOSCIENCES	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	NEW PRODUCT TESTING FOR GREENHOUSE PEST MANAGEMENT
25	\$8,000	MICHIGAN VEGETABLE COUNCIL	Szendrei, Zsofia	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESEARCH ON SWEET ALYSSUM AS A BENEFICIAL HABITAT FOR APHID CONTROL.

**Gift, Grant and Contract Report  
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	Amount	Sponsor	Director	Unit	Purpose
26	\$5,998	MICHIGAN APPLE COMMITTEE	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TREE FRUIT INTEGRATOR POSITION
27	\$99,992	MICHIGAN TREE FRUIT COMMISSION	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DEVELOPING A RISK MODEL FOR MANAGING SPOTTED WING DROSOPHILA IN TART CHERRY
28	\$40,000	TECHACCEL	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MSU TRUNK INJECTION TRIAL FOR TECHACCEL: PLUG DELIVERY SYSTEM FOR RNAI ACTIVITY ON SPIDER MITES IN APPLES
29	\$16,016	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
30	\$178,007	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
31	\$19,561	MICHIGAN DEPT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	QUANTITATIVE SUPPORT FOR INTER-JURISDICTIONAL FISHERIES MANAGEMENT ON THE GREAT LAKES
32	\$46,922	MICHIGAN DEPT OF NATURAL RESOURCES	Bremigan, Mary	FISHERIES AND WILDLIFE	PERM: DEVELOPING DECISION TOOLS FOR INLAND LAKE MANAGEMENT THROUGH FIELD SAMPLING AND STATISTICAL MODELS LINKING LAKE TO LANDSCAPE CONTEXT. DR. MARY BREMIGAN PERM AGREEMENT FOR FY 2020.
33	\$162,002	MICHIGAN DEPT OF ENVIRONMENTAL QUALITY	Dreelin, Erin	FISHERIES AND WILDLIFE	GENETIC MARKERS FOR SOURCE TRACKING
34	\$80,592	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.
35	\$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)
36	\$39,573	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
37	\$95,447	US GEOLOGICAL SURVEY	Jones, Michael	FISHERIES AND WILDLIFE	RESEARCH, MANAGEMENT AND COMMUNICATION PERTAINING TO POPULATION GENETICS, CONSERVATION GENETICS AND BIODIVERSITY OF AQUATIC SPECIES WITHIN THE GREAT LAKES BASIN.
38	\$55,130	GREAT LAKES FISHERY COMMISSION	Jones, Michael	FISHERIES AND WILDLIFE	GLFC PERM JONES - SALARY AND FRINGE
39	\$30,000	MICHIGAN LAKES & STREAMS ASSOC	Latimore, Jo	FISHERIES AND WILDLIFE	MEMORANDUM OF UNDERSTANDING FOR AN INLAND LAKE EXTENSION POSITION
40	\$215,197	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	DETERMINE THE UTILITY OF PHEROMONE ANTAGONISTS FOR SEA LAMPREY CONTROL



**Gift, Grant and Contract Report  
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	Amount	Sponsor	Director	Unit	Purpose
41	\$422,449	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	DR. WEIMING LI PERM AGREEMENT - YEAR 6
42	\$10,000	UNIVERSITE CATHOLIQUE DE LOUVAIN	Liu, Jianguo	FISHERIES AND WILDLIFE	RESEARCH EXECUTIVE AGENCY (REA) GRANT AGREEMENT NUMBER 846474 - SANDLINKS
43	\$298,734	US DEPT OF AGRICULTURE	Loch, Thomas	FISHERIES AND WILDLIFE	UNDERSTANDING FLAVOBACTERIUM PSYCHROPHILUM INTRASPECIFIC DIVERSITY AS IT PERTAINS TO DISEASE MANAGEMENT AND PREVENTION IN AQUACULTURE
44	\$50,417	MICHIGAN DEPT OF NATURAL RESOURCES	Lupi, Frank	FISHERIES AND WILDLIFE	USING ECONOMIC MODELS AND QUANTITATIVE HUMAN DIMENSIONS ANALYSIS TO PROMOTE IMPROVED FISHERIES MANAGEMENT IN THE GREAT LAKES REGIONAL ECOSYSTEM. DR. FRANK LUPI'S PERM SALARY FOR FY 2020.
45	\$43,290	WORLD WILDLIFE FUND	Montgomery, Robert	FISHERIES AND WILDLIFE	EVALUATING THE MOVEMENT ECOLOGY OF AFRICAN ELEPHANTS TO MITIGATE HUMAN-ELEPHANT CONFLICT
46	\$36,533	UNIVERSITY OF MISSOURI	Montgomery, Robert	FISHERIES AND WILDLIFE	SURVIVAL, RECRUITMENT, AND MOVEMENT PATTERNS OF WHITE-TAILED DEER IN MISSOURI
47	\$131,129	GREAT LAKES FISHERY TRUST	Robinson, Kelly	FISHERIES AND WILDLIFE	ASSESSING THE CONTRIBUTION OF WILD LAKE HURON CHINOOK SALMON TO THE LAKE MICHIGAN SPORT FISHERY USING OTOLITH MICROCHEMISTRY
48	\$62,536	GREAT LAKES FISHERY COMMISSION	Robinson, Kelly	FISHERIES AND WILDLIFE	MSU - RC105957, GLFC ACCOUNT #71002 - KELLY ROBINSON PERM 2018-2019
49	\$68,700	GREAT LAKES FISHERY COMMISSION	Robinson, Kelly	FISHERIES AND WILDLIFE	THE CONSEQUENCES OF CONNECTIVITY
50	\$22,842	GREAT LAKES FISHERY COMMISSION	Robinson, Kelly	FISHERIES AND WILDLIFE	MANAGING LAKE ERIE WALLEYE (SANDER VITREUS) IN THE FACE OF UNCERTAIN NATURAL MORTALITY AND CLIMATE-RELATED EFFECTS ON RECRUITMENT
51	\$31,771	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.
52	\$20,000	MICHIGAN DEPT OF NATURAL RESOURCES	Scribner, Kim	FISHERIES AND WILDLIFE	TO EXPAND BASELINE GENETIC DATABASES AND TO CONDUCT MOLECULAR GENETIC ANALYSES.
53	\$164,629	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.
54	\$89,764	GREAT LAKES FISHERY COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. NANCY NATE
55	\$30,000	UNIVERSITY OF MICHIGAN	Taylor, William	FISHERIES AND WILDLIFE	MICHIGAN SEA GRANT OMNIBUS ADMINISTRATION
56	\$97,787	GREAT LAKES FISHERY COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. TODD HAYDEN
57	\$111,828	GREAT LAKES FISHERY COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. TOM BINDER

**Gift, Grant and Contract Report  
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	Amount	Sponsor	Director	Unit	Purpose
58	\$34,300	UNIVERSITY OF MICHIGAN	Taylor, William	FISHERIES AND WILDLIFE	FOOD WEB MODELING TO SUPPORT RISK ASSESSMENT OF ASIAN CARP IN THE GREAT LAKES
59	\$121,843	GREAT LAKES FISHERY COMMISSION	Wagner, Michael	FISHERIES AND WILDLIFE	SITING AND APPLICATION CRITERIA FOR PUSH CONFIGURATION OPEN-WATER TRAPPING OF SEA LAMPREY IN RIVERS
60	\$13,411	GREAT LAKES FISHERY COMMISSION	Wagner, Michael	FISHERIES AND WILDLIFE	REDUCING UNCERTAINTY IN THE SEA LAMPREY OPERATING MODEL WITH LIFE-STAGE SPECIFIC EMPIRICAL EVIDENCE: A METHODOLOGICAL APPROACH AND MODEL-BASED EVALUATION
61	\$10,000	MICHIGAN STATE MILLERS ASSOC	Ng, Perry	FOOD SCIENCE AND HUM NUTRITION ANR	WHEAT QUALITY TESTING PROGRAM
62	\$22,500	SUSTAINABLE FORESTRY INITIATIVE INC	Dowtin, Asia	FORESTRY	RECRUITING AND RETAINING THE NEXT GENERATION OF MULTICULTURAL FORESTRY PROFESSIONALS
63	\$124,646	FEDERAL STATE MARKETING IMPROVEMENT PROGRAM	Behe, Bridget	HORTICULTURE ANR	PREDICTING PLANT PURCHASES FROM CONSUMER CHARACTERISTICS AND GAZE SEQUENCES
64	\$10,738	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Brainard, Daniel	HORTICULTURE ANR	SUSTAINABLE WEED CONTROL: IN-ROW WEED CULTIVATION STRATEGIES FOR VEGETABLE GROWERS
65	\$23,846	CHRISTMAS TREE PROMOTION BOARD	Cregg, Bert	HORTICULTURE ANR	MANAGING CONE FORMATION IN ABIES CHRISTMAS TREE SPECIES
66	\$7,800	MICHIGAN CHRISTMAS TREE ASSOC	Cregg, Bert	HORTICULTURE ANR	CULTURAL OPTIONS FOR REDUCING CONING OF FRASER FIR CHRISTMAS TREES
67	\$14,563	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Hayden, Zachary	HORTICULTURE ANR	POTENTIAL OF UAS-BASED REMOTE SENSING AS A NITROGEN MANAGEMENT TOOL IN CARROTS
68	\$20,000	FINE AMERICAS INC	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF FLORICULTURE RESEARCH
69	\$12,000	COMERICA CHARITABLE TRUST	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF FLORICULTURE RESEARCH
70	\$159,104	GREAT LAKES FISHERY COMMISSION	Nair, Muraleedharan	HORTICULTURE ANR	BIOASSAY DIRECTED ISOLATION AND CHARACTERIZATION OF A NATURAL SEA LAMPREY DETERRENT- PHASE II
71	\$2,705,371	NATIONAL INST OF FOOD & AGRICULTURE	Runkle, Erik	HORTICULTURE ANR	IMPROVING THE PROFITABILITY AND SUSTAINABILITY OF INDOOR LEAFY-GREENS PRODUCTION.
72	\$8,000	DUPONT CROP PROTECTION	Zandstra, Bernard	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF WEED CONTROL RESEARCH PROGRAM.
73	\$6,280	ITB PACKAGING LLC	McDavid, Patrick	PACKAGING	PACKAGING PERFORMANCE & DESTRUCTIVE TESTING

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74	\$199,993	UNIVERSITY OF MINNESOTA	Bonito, Gregory	PLANT SOIL AND MICROBIAL SCIENCES	CULTIVATING A MOREL MUSHROOM INDUSTRY IN THE NORTH CENTRAL UNITED STATES.
75	\$82,721	MICHIGAN ONION COMMITTEE	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	2019-2021 ONION SCBG STEMPHYLIUM
76	\$10,000	LISTENFIELD CO LTD	Ines, Amor Valeriano	PLANT SOIL AND MICROBIAL SCIENCES	WATER BALANCE ANALYSES FOR CROP INSURANCE DEVELOPMENT IN THAILAND
77	\$99,000	MICHIGAN STATE HORTICULTURAL SOCIETY	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	MONITORING FUNGICIDE RESISTANCE IN BOTRYTIS SPP. ON MICHIGAN FRUIT CROPS AND IDENTIFYING POTENTIAL ALTERNATIVES TO MANAGEMENT
78	\$47,000	MICHIGAN MILK PRODUCERS ASSOC	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	INTEGRATED MANAGEMENT OF EAR ROT AND ASSOCIATED MYCOTOXIN CONTAMINATION OF CORN IN MICHIGAN
79	\$35,001	UNIVERSITY OF WISCONSIN MADISON	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	BOOTS ON THE GROUND: VALIDATION OF BENCHMARKING PROCESS THROUGH AN INTEGRATED ON-FARM NETWORK
80	\$243,085	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
81	\$30,000	MICHIGAN DEPT OF NATURAL RESOURCES	Kim, Jun Hyun	SCHOOL OF PLANNING DES CONSTRUCTION ANR	SUSTAINABLE PARK DESIGN AND PLANNING: 2019-20 DNR-MSU PARTNERSHIP
<b>COLLEGE OF ARTS AND LETTERS</b>					
82	\$95,154	NATIONAL SCIENCE FOUNDATION	O'Rourke, Michael	AL RESEARCH AND SCHOLARSHIP	A TOOLBOX "TRAIN THE TRAINER" WORKSHOP FOR THE C-ACCEL PROGRAM
83	\$48,235	MASSEY UNIVERSITY	Whyte, Kyle	PHILOSOPHY	TANGATA WHENUA TANGATA ORA: INVESTIGATING HEALTH GAIN THROUGH WHENUA INITIATIVES
84	\$131,172	OHIO STATE UNIV	Derogatis, Amy	RELIGIOUS STUDIES	THE AMERICAN RELIGIOUS SOUNDS PROJECT
<b>ELI BROAD COLLEGE OF BUSINESS</b>					
85	\$59,175	MICHIGAN ECONOMIC DEVELOPMENT CORP	Hult, Tomas	INTERNATIONAL BUSINESS CENTER	MEDC MSF INTERNATIONAL TRADE: SMALL BUSINESS SERVICES 2017-2022 WITH ANNUAL EXTENSIONS: PERIOD 2018-2019 (2/5) ORIGINAL MSU PROPOSAL #26889.
<b>COLLEGE OF COMMUNICATION ARTS SCIENCES</b>					
86	\$62,013	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	2020 USSG RURAL SERVICES GRANT FOR WKAR-TV

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87	\$1,072,953	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	UNRESTRICTED 2020 CSG GRANT FOR WKAR-TV
88	\$10,000	WETA	Elkins, Susanne	BROADCASTING SERVICES	KEN BURNS PRESENTS THE GENE: AN INTIMATE HISTORY
89	\$160,890	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	UNRESTRICTED CSG FUNDING FOR WKAR RADIO 2020
90	\$58,516	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	RESTRICTED CSG GRANT FOR WKAR RADIO 2020
91	\$20,854	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	2020 CPB INTERCONNECT GRANT FOR WKAR-TV
92	\$167,979	OHIO STATE UNIV	Dilley, Laura	COMMUNICATIVE SCIENCES DISORDERS CAS	INFANT-DIRECTED SPEECH AND LANGUAGE DEVELOPMENT IN INFANTS WITH HEARING LOSS
93	\$57,665	BRIGHAM YOUNG UNIV	Hunter, Eric	COMMUNICATIVE SCIENCES DISORDERS CAS	IMAGING AND INFLUENCE OF GLOTTIC AND SUBGLOTTIC ANATOMY IN HEALTHY AND STENOTIC PATIENTS
94	\$139,500	NATIONAL INST OF HEALTH	Venker, Courtney	COMMUNICATIVE SCIENCES DISORDERS CAS	THE INFLUENCE OF VISUAL PERCEPTUAL SALIENCE ON WORD PROCESSING AND WORD LEARNING IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER
95	\$50,000	ONLINE NEWS ASSOC	Davenport, Lucinda	JOURNALISM	NEW INSTRUMENT DRIVES JOURNALISM THAT REFLECTS COMMUNITY DIVERSITY
<b>COLLEGE OF EDUCATION</b>					
96	\$72,660	THE OPEN UNIVERSITY OF CHINA	Li, Jiahang	CED INTERNATIONAL STUDIES IN EDUCATION	OPEN UNIVERSITY OF CHINA PROFESSIONAL DEVELOPMENT PROGRAM FALL, 2019
97	\$35,616	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	LEVEL OF FUNCTIONING PROJECT
98	\$69,996	MICHIGAN DEPT OF HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	INFANT AND EARLY CHILDHOOD MENTAL HEALTH CONSULTATION EVALUATION (ECMHC)
99	\$141,588	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	WRAPAROUND EVALUATION PROJECT
100	\$88,824	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	PARENT SUPPORT PARTNER (PSP) EVALUATION

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101	\$101,952	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	CHILDREN'S TRAUMA INITIATIVE (CTI)
102	\$27,037	MICHIGAN REHABILITATION SERVICES	Sung, Connie	COUNSELING, EDUC PSYCH & SPEC EDUC	MSU CEPSE - MRS LANSING DISTRICT ICTA AGREEMENT #1213
103	\$22,222	WESTMINSTER COLLEGE	Yadav, Aman	COUNSELING, EDUC PSYCH & SPEC EDUC	INTROCS POGIL: PROCESS ORIENTED GUIDED INQUIRY LEARNING IN INTRODUCTORY COMPUTER SCIENCE
104	\$154,441	VARIOUS SCHOOLS	Markle, Barbara	EDUCATION DEAN	K-12 SCHOOL IMPROVEMENT TRAINING
105	\$23,750	VARIOUS SCHOOLS	Paine, Lynn	EDUCATION DEAN	CHINESE TEACHER CERTIFICATION PROGRAM
106	\$17,000	COUNCIL OF MICHIGAN FOUNDATIONS	Cowen, Joshua	EDUCATION POLICY CENTER	EPIC SUPPORT FOR LAUNCH MICHIGAN MEASURES GROUP (COUNCIL OF MICHIGAN FOUNDATIONS)
107	\$479,667	TULANE UNIV	Cowen, Joshua	EDUCATION POLICY CENTER	THE SCHOOL CHOICE POLICY RESEARCH CENTER: IMPROVING POLICY, IMPLEMENTATION, AND OUTCOMES FOR DISADVANTAGED STUDENTS
108	\$325,486	LAURA & JOHN ARNOLD FOUNDATION	Cowen, Joshua	EDUCATION POLICY CENTER	MICHIGAN EDUCATION DATA RESEARCH CENTER
109	\$35,000	AMER INSTS FOR RESEARCH	Strunk, Katharine	EDUCATION POLICY CENTER	THE EFFICACY AND EFFICIENCY OF TEACHER SCREENING AND HIRING
110	\$74,490	UNIVERSITY OF WISCONSIN MADISON	Austin, Ann	EDUCATIONAL ADMINISTRATION	PREPARING FUTURE FACULTY TO IMPROVE STEM EDUCATION: BROADENING THE NATIONAL IMPACT OF THE CIRTL NETWORK
111	\$70,000	JOYCE FOUNDATION	Cantwell, Brendan	EDUCATIONAL ADMINISTRATION	RE-INVESTING FOR OPPORTUNITY: ESTIMATING THE DEGREE RETURNS TO TARGETED STATE-SUPPORT TO HIGHER EDUCATION IN THE MIDWEST
112	\$50,000	AZIM PREMJI FOUNDATION	Chudgar, Amita	EDUCATIONAL ADMINISTRATION	AZIM PREMJI MOU - AMENDEMENT 3
113	\$116,751	UNIVERSITY OF WISCONSIN	Gonzales, Leslie	EDUCATIONAL ADMINISTRATION	COLLABORATIVE RESEARCH: NSF INCLUDES ALLIANCE: AN ALLIANCE TO DEVELOP AN INCLUSIVE AND DIVERSE NATIONAL FACULTY FOR BROADENING SUCCESS OF UNDERREPRESENTED 2-YEAR AND 4-YEAR STEM STUDENTS
114	\$30,000	ARIZONA STATE UNIV	Renn, Kristen	EDUCATIONAL ADMINISTRATION	UIA SCALE PROJECT - CHATBOTS
115	\$25,000	AMER EDUCATIONAL RESEARCH ASSOC	Schneider, Barbara	EDUCATIONAL ADMINISTRATION	THE IMPACT OF ADVANCED HIGH SCHOOL SCIENCE COURSEWORK ON POSTSECONDARY STEM OUTCOMES
116	\$121,088	BRAINSCOPE CO INC	Covassin, Tracey	KINESIOLOGY - ED	EVALUATION AND VALIDATION OF A MULTIMODAL BRAIN FUNCTION BIOMARKER WITH NPC
117	\$28,830	BRAINSCOPE CO INC	Covassin, Tracey	KINESIOLOGY - ED	EVALUATION AND VALIDATION OF A MULTIMODAL BRAIN FUNCTION BIOMARKER WITH NPC

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118	\$86,059	GOOGLE INC	Pontifex, Matthew	KINESIOLOGY + ED	NEURAL ACTIVITY AND EMOTION PROCESSING 2
119	\$149,191	UNIVERSITY OF MICHIGAN	Halvorsen, Anne-Lise	TEACHER EDUCATION	GREAT FIRST EIGHT CURRICULUM
<b>COLLEGE OF ENGINEERING</b>					
120	\$245,000	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
121	\$151,231	COLLABORATIVE COMPOSITE SOLUTIONS CORP	Boeman, Raymond	CHEMICAL ENGINEERING AND MATERIALS SCI	ADDITION TO TASK 3.7. VW PROPOSAL - REDUCTION OF CO2 EMISSIONS THROUGH LIGHTWEIGHT BODY PANELS
122	\$25,000	REMADE INST	Dorgan, John	CHEMICAL ENGINEERING AND MATERIALS SCI	SCALABLE HIGH SHEAR CATALYZED DEPOLYMERIZATION OF MULTILAYER PLASTIC PACKAGING
123	\$69,702	PENNSYLVANIA STATE UNIV	Narayan, Ramani	CHEMICAL ENGINEERING AND MATERIALS SCI	PROCESSING STARCH FOAM MATERIALS
124	\$65,000	JET PROPULSION LABORATORY	Zevalkink, Alexandra	CHEMICAL ENGINEERING AND MATERIALS SCI	USING ZINTL CHEMISTRY TO CONTROL HIGH-TEMPERATURE STRUCTURE AND BONDING
125	\$30,000	MINNESOTA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	IMPROVE MATERIAL INPUTS INTO MECHANISTIC DESIGN PROPERTIES FOR RECLAIMED HMA & RECYCLED CONCRETE AGGREGATE (RCA) ROADWAYS
126	\$50,000	UNIVERSITY OF GEORGIA	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	IMPROVEMENT OF CLIMATE DATA FOR USE IN MEPDG CALIBRATION AND OTHER PAVEMENT ANALYSIS - PHASE II
127	\$35,000	MINNESOTA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	ENVIRONMENTAL IMPACTS ON THE PERFORMANCE OF PAVEMENT FOUNDATION LAYERS-PHASE I
128	\$30,308	IOWA STATE UNIV	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	DEVELOPMENT OF GRANULAR ROAD ASSET MANAGEMENT SYSTEMS (GRAMS)
129	\$15,513	IOWA STATE UNIV	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	NNA TRACK 2: RESPONDING TO THE HOUSING CRISIS IN THE ARCTIC: A TRANSDISCIPLINARY APPROACH ACROSS PHYSICAL, NATURAL AND SOCIAL SYSTEMS
130	\$188,958	NATIONAL SCIENCE FOUNDATION	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	COLLABORATIVE RESEARCH: ADAPTIVE, MULTI-LAYERED FENESTRATION ELEMENTS FOR OPTIMUM BUILDING ENERGY PERFORMANCE AND OCCUPANT COMFORT

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131	\$179,997	MICHIGAN ENERGY OFFICE	Ghamami, Mehrnaz	CIVIL AND ENVIRONMENTAL ENGINEERING	ELECTRIC VEHICLE CHARGER PLACEMENT OPTIMIZATION PROJECT - NEW \$10K
132	\$199,535	FORD MOTOR CO	Lu, Weiyi	CIVIL AND ENVIRONMENTAL ENGINEERING	MSU0159 (2020)
133	\$200,000	UNIVERSITY OF MISSOURI	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	MIMIC - MULTIDISCIPLINARY INITIATIVE ON METHODS TO INTEGRATE AND CREATE ARTIFICIAL REALISTIC DATA
134	\$200,000	FORD MOTOR CO	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	MSU0157 (2020)
135	\$184,682	NATIONAL SAFETY COUNCIL	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	2019 ROAD TO ZERO SAFE SYSTEM INNOVATION GRANTS
136	\$20,000	US ARMY RESEARCH OFFICE	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	PERSON IDENTIFICATION AT A DISTANCE
137	\$280,296	NATIONAL SCIENCE FOUNDATION	Mutka, Matt	COMPUTER SCIENCE AND ENGINEERING	DR. MATT MUTKA - IPA ASSIGNMENT WITH THE NATIONAL SCIENCE FOUNDATION (NSF)
138	\$333,000	POLARIS SENSOR TECHNOLOGIES INC	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	SYSTEM FOR NIGHTTIME AND LOW-LIGHT FACE RECOGNITION
139	\$359,842	NATIONAL SCIENCE FOUNDATION	Tan, Pang-Ning	COMPUTER SCIENCE AND ENGINEERING	FAI: FAIRNESS-AWARE ALGORITHMS FOR NETWORK ANALYSIS
140	\$274,825	FRAUNHOFER USA	Asmussen, Jes	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER CENTER RENEWAL
141	\$20,001	HONEYWELL CORP	Chahal, Prem	ELECTRICAL AND COMPUTER ENGINEERING	METAMATERIAL DESIGNS FOR THZ AND IR APPLICATIONS
142	\$120,000	ELECTRIC POWER RESEARCH INST	Chakrapani, Sunil Kishore	ELECTRICAL AND COMPUTER ENGINEERING	ULTRASONIC ATTENUATION, BACKSCATTER AND ABSORPTION FOR MICROSTRUCTURE CHARACTERIZATION
143	\$50,000	FORD MOTOR CO	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	MSU0161 (2019)

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144	\$25,000	MASSACHUSETTS INST OF TECHNOLOGY	Grotjohn, Timothy	ELECTRICAL AND COMPUTER ENGINEERING	SUPPORT OF DIAMOND-BASED RF DEVICE DEVELOPMENT
145	\$300,888	NATIONAL INST OF HEALTH	McGough, Robert	ELECTRICAL AND COMPUTER ENGINEERING	FAST NUMERICAL MODELING OF MEDICAL ULTRASOUND FOR THERAPY AND IMAGING
146	\$181,945	RIVERSIDE RESEARCH	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	COORDINATION TECHNOLOGIES FOR COHERENT DISTRIBUTED BEAMFORMING (TASK 4 TOWARDS ELECTROMAGNETIC SYSTEMS & TASK 5 :VO2 TECHNOLOGIES FOR IR SENSORS)
147	\$10,000	GERONDELIS FOUNDATION	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	SCHOLARSHIP SUPPORT
148	\$360,000	HONEYWELL CORP	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	PDRD - 2019-10 - MSU - RADAR CONSORTIUM 704933
149	\$150,000	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Zhang, Peng	ELECTRICAL AND COMPUTER ENGINEERING	UNDERSTANDING ULTRAFAST AND NANOSCALE ELECTRON EMISSION AND TRANSPORT
150	\$158,295	NATIONAL HEART LUNG & BLOOD INST	Aguirre, Aitor	INSTITUTE FOR QUANTITATIVE HEALTH	LIPID SIGNALING IN CARDIAC DEVELOPMENT AND DISEASE
151	\$112,500	JOHNS HOPKINS UNIV	Gilad, Assaf	INSTITUTE FOR QUANTITATIVE HEALTH	RESOURCE FOR MOLECULAR IMAGING AGENTS IN PRECISION MEDICINE
152	\$335,338	NATIONAL INST OF HEALTH	Purcell, Erin	INSTITUTE FOR QUANTITATIVE HEALTH	STRUCTURAL AND FUNCTIONAL PLASTICITY SURROUNDING IMPLANTED NEUROPROSTHESES
153	\$194,125	SIEMENS CORP	Averill, Ronald	MECHANICAL ENGINEERING	UHD-SOS: ENABLING DESIGN OF ULTRA HIGH DEFINITION STRUCTURE OF STRUCTURES
154	\$62,000	JOLT ENERGY STORAGE TECHNOLOGIES LLC	Benard, Andre	MECHANICAL ENGINEERING	LOW-COST, DURABLE ORGANIC BATTERIES FOR DISPATCHABLE SOLAR APPLICATIONS
155	\$2,250,000	US DEPT OF ENERGY	Benard, Andre	MECHANICAL ENGINEERING	HEAT-EXCHANGER INTENSIFICATION THROUGH POWER PROCESSING AND ENHANCED DESIGN (HIPPED)
156	\$395,415	NATIONAL SCIENCE FOUNDATION	Gao, Tong	MECHANICAL ENGINEERING	CAREER: UNVEILING THE STABILITY, RHEOLGKY, AND TOPOLOGY OF ACTIVE FLUIDS
157	\$40,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Koochesfahani, Manoochehr	MECHANICAL ENGINEERING	ZBOT-2 THERMOMETRY DIAGNOSTICS DEVELOPMENT



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158	\$285,637	NATIONAL CENTER FOR MANUFACTURING SCIENCE	Mueller, Norbert	MECHANICAL ENGINEERING	TURBINE COMPRESSOR BLADE EVALUATION - PHASE II
159	\$50,533	NATIONAL SCIENCE FOUNDATION	Mukherjee, Ranjan	MECHANICAL ENGINEERING	ANALYSIS OF LARGE-AMPLITUDE SHORT DURATION CONTROL FORCES FOR GUIDING UNDERACTUATED MECHANICAL SYSTEMS INTO SAFE OPERATING REGIONS
160	\$35,000	OFFICE OF NAVAL RESEARCH	Mukherjee, Ranjan	MECHANICAL ENGINEERING	PERFORMANCE OPTIMIZATION OF AN UNDERWATER VEHICLE PROPELLED BY A FLUTTERING TAIL
161	\$201,961	FORD MOTOR CO	Zhu, Guoming	MECHANICAL ENGINEERING	MSU0158 (2020)
<b>COLLEGE OF HUMAN MEDICINE</b>					
162	\$6,000	GLAXOSMITHKLINE	Cole, Craig	CANCER CENTER	PHASE I/II OPEN LABEL DOSE ESCALATION & EXPANSION STUDY TO EVALUATE SAFETY TOLERABILITY & CLINICAL ACTIVITY OF THE ANTIBODY DRUG CONJUGATE GSK2857916 ADMINISTERED IN COMBINATION WITH LENALIDOMIDE
163	\$123,763	UNIVERSITY OF MICHIGAN	Furr-Holden, Debra	CHM FLINT	PREVENTION RESEARCH CENTER OF MICHIGAN
164	\$27,930	FLINT ODYSSEY HOUSE HEALTH AWARENESS CENTER	Furr-Holden, Debra	CHM FLINT	ENHANCED PARENTING PROJECT
165	\$975,381	GENESEE COUNTY HEALTH DEPT	Hanna-Attisha, Mona	CHM FLINT	ADDRESSING AND PREVENTING LEAD EXPOSURE THROUGH HEALTHY START
166	\$231,200	ROBERT WOOD JOHNSON FOUNDATION	Hanna-Attisha, Mona	CHM FLINT	THE COMBINED IMPACTS OF HIGH SOCIODEMOGRAPHIC RISK AND LEAD EXPOSURE ON COGNITIVE AND SOCIOEMOTIONAL DEVELOPMENT
167	\$259,747	GEORGE MASON UNIV	Johnson, Jennifer	CHM FLINT	EVALUATION OF STEPPING UP EFFORTS TO IMPROVE MH SERVICES AND JUSTICE UTILIZATION
168	\$7,000	WAYNE STATE UNIV	Lucas, Todd	CHM FLINT	CANCER CENTER SUPPORT GRANT
169	\$1,279,359	ALLIANCE CORP	Holmes, Denise	CHM WEST MICHIGAN	MSU-ALLIANCE TRANSLATIONAL HEALTH RESEARCH IN GRAND RAPIDS
170	\$66,105	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Reeves, Mathew	EPIDEMIOLOGY AND BIOSTATISTICS	STROKE REGISTRY CONSULTANT PROJECT
171	\$199,999	ZOETIS	Vazquez, Ana	EPIDEMIOLOGY AND BIOSTATISTICS	A MULTI-OMIC DATA PLATFORM TO IDENTIFY BIOLOGICAL PROCESS AND MECHANISMS UNDERLYING RISK AND DISEASE PROGRESSION.
172	\$130,414	NATIONAL INST OF HEALTH	Cunningham, Natoshia	FAMILY MEDICINE, DEPARTMENT OF	USING FMRI TO UNDERSTAND RESPONSE TO AN INTEGRATIVE TREATMENT FOR PAIN AND ANXIETY IN PEDIATRIC FUNCTIONAL ABDOMINAL PAIN DISORDERS (FAPD)
173	\$51,435	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oostema, John	HUMAN MEDICINE DEAN	MICHIGAN'S ONGOING STROKE REGISTRY TO ACCELERATE IMPROVEMENT OF CARE - OOSTEMA CONSULTANT

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174	\$100,000	PERKINELMER	Contag, Christopher	INSTITUTE FOR QUANTITATIVE HEALTH	PERKINELMER RESEARCH PROGRAM
175	\$284,462	MASSACHUSETTS GENERAL HOSPITAL	Moore, Anna	INSTITUTE FOR QUANTITATIVE HEALTH	THERAPY FOR METASTATIC BREAST CANCER BASED ON MICRO RNA SILENCING
176	\$151,706	NATIONAL CANCER INST	Sempere, Lorenzo	INSTITUTE FOR QUANTITATIVE HEALTH	CHEMICAL ABLATION OF DUCTAL TREE FOR BREAST CANCER PREVENTION
177	\$726,001	NATIONAL INST OF HEALTH	Millerick May, Melissa	MEDICINE	IMPROVED METHOD FOR IDENTIFYING CAUSATIVE ANTIGEN IN HYPERSENSITIVITY PNEUMONITIS
178	\$9,500	MICHIGAN PORK PRODUCERS ASSOC	Millerick May, Melissa	MEDICINE	DISPERSION OF AIRBORNE PATHOGEN DURING ROUTINE SWINE TRANSPORT
179	\$24,375	BOSTON CHILDRENS HOSPITAL	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	DEFINING THE ROLE FOR DESCENDING PAIN MODULATION AND REWARD-AVERSION PROCESSES TOWARDS THE DEVELOPMENT OF CHRONIC PAIN IN ENDOMETRIOSIS
180	\$41,402	BRIGHAM & WOMENS HOSPITAL	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	USING AFFINITY BASED PROTEOMICS TO IDENTIFY DIAGNOSTIC AND PLASMA BIOMARKERS FOR ENDOMETRIOSIS
181	\$714,566	NATIONAL INST OF HEALTH	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	INFERTILITY HISTORY AND CHRONIC DISEASE PROFILE
182	\$20,000	SPECTRUM HEALTH FOUNDATION	Strutz, Kelly	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	FAMILIAS FUERTES Y SALUDABLES (STRONG AND HEALTHY FAMILIES) - SPECTRUM HEALTH LATINA EXPANSION GRANT
183	\$88,477	SPECTRUM HEALTH SYSTEM	Strutz, Kelly	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	HEALTHY START INITIATIVE: ELIMINATING DISPARITIES IN PERINATAL HEALTH
184	\$200,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Gonuguntla, Ashweena	PEDIATRICS AND HUMAN DEVELOPMENT	MEDICAL CONSULTANT TO CHILDREN'S SPECIAL HEALTH CARE SERVICES
185	\$56,814	BIOGEN INC	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	BIOGEN 997HA306 PU? A: AN OPEN-LABEL, MULTICENTER EVALUATION OF THE SAFETY AND EFFICACY OF RECOMBINANT COAGULATION FACTOR FVIII FC FUSION PROTEIN (RFVIIIIFC; B11B031) IN THE PREVENTION AND TREATMENT OF
186	\$7,020	HEMOPHILIA ALLIANCE	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	THE HEMOPHILIA ALLIANCE FOUNDATION GRANT

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187	\$7,531	NOVO NORDISK	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	NN7415-4307: EFFICACY AND SAFETY OF CONCIZUMAB PROPHYLAXIS IN PATIENT WITH HAEMOPHILIA A OR B WITHOUT INHIBITORS (EXPLORER 8)
188	\$61,158	HEMOPHILIA FOUNDATION OF MICHIGAN	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	OPERATING SUPPORT GRANT 2019-2020 FOR CENTER FOR BLEEDING AND CLOTTING DISORDER
189	\$12,030	UNIVERSITY OF SOUTHERN CALIFORNIA	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	HEMOPHILIA UTILIZATION GROUP STUDY (HUGS) VII: COSTS AND IMPACT OF DISEASE IN OLDER PERSONS WITH HEMOPHILIA - 17096M
190	\$8,700	BIOMARIN PHARMACEUTICAL INC	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	BIOMARIN STUDY 270-902
191	\$6,000	SPECTRUM HEALTH SYSTEM	Prokop, Jeremy	PEDIATRICS AND HUMAN DEVELOPMENT	CLINICAL VARIANT/GENE CHARACTERIZATION
192	\$50,000	AUTISM RESEARCH INSTITUTE	Vogt, Daniel	PEDIATRICS AND HUMAN DEVELOPMENT	ASSESSING NOVEL IMPACTS OF RAS-OPATHIES ON CORTICAL GABAERGIC NEURONS
193	\$481,891	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY20 MICHIGAN MEDICAID HEALTH INFORMATION TECHNOLOGY (HIT) RESOURCE CENTER
194	\$1,833,101	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY20 HCBS HEIGHTENED SCRUTINY PROJECT
195	\$364,209	NATIONAL INST OF HEALTH	Collier, Kathy	TRANSLATIONAL NEUROSCIENCE	IMPACT OF DYSFUNCTIONAL BDNF ON DOPAMINE TERMINAL REMODELING IN THE PARKINSONIAN STRIATUM
196	\$17,500	UNIVERSITY OF MICHIGAN	Combs, Benjamin	TRANSLATIONAL NEUROSCIENCE	TAU AND INSULIN IN AD
197	\$510,044	NATIONAL INST OF HEALTH	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	CENTRAL NORADRENERGIC MECHANISMS OF CEREBROVASCULAR PATHOLOGY IN ALZHEIMER'S DISEASE
198	\$232,500	NATIONAL INST OF HEALTH	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	DEVELOPMENT OF NOVEL TAU-SIMOA ASSAYS
199	\$14,251	WESTON BRAIN INST	Sortwell, Caryl	TRANSLATIONAL NEUROSCIENCE	ADVISOR SUPPORT AGREEMENT
<b>COLLEGE OF MUSIC</b>					
200	\$19,500	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	Demott, Jaime	COMMUNITY MUSIC SCHOOL	MUSIC EDUCATION OUTREACH TO LOW-INCOME STUDENTS

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201	\$70,000	CHILDRENS HOSPITAL OF MICHIGAN FOUNDATION	Woodward, Jill	COMMUNITY MUSIC SCHOOL	ENHANCING THE EMOTIONAL, PHYSICAL, SOCIAL AND COGNITIVE WELL-BEING OF PEDIATRIC PATIENTS AND CAREGIVERS THRUUGH MUSIC THERAPY
202	\$10,000	PNC FOUNDATION	Woodward, Jill	MUSIC	EARLY MUSIC, EARLY LEARNING
<b>COLLEGE OF NATURAL SCIENCE</b>					
203	\$1,259,623	NATIONAL SCIENCE FOUNDATION	Grotewold, Erich	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	RESEARCH-PGR: ELUCIDATING MAIZE GENE REGULATORY NETWORKS TO ACCELERATE TRANSLATIONAL GENOMICS
204	\$35,000	UNIVERSITY OF WISCONSIN MADISON	Cooper, Melanie	CHEMISTRY	DEVELOPING LEARNING ENVIRONMENTS THAT SUPPORT MOLECULAR-LEVEL SENSEMAKING
205	\$399,701	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	Dantus, Marcos	CHEMISTRY	SUPER-PHOTOREAGENTS AS A GATEWAY TO PRECISION CHEMISTRY
206	\$165,000	US DEPT OF ENERGY	Dantus, Marcos	CHEMISTRY	SISGR: UNDERSTANDING AND CONTROLLING STRONG-FIELD LASER INTERACTIONS WITH POLYATOMIC MOLECULES
207	\$35,834	UNIVERSITY OF MICHIGAN	Hamann, Thomas	CHEMISTRY	MONOLITHICALLY INTEGRATED THIN-FILM/SILICON TANDEM PHOTOELECTRODES FOR HIGH EFFICIENCY AND STABLE PHOTOELECTROCHEMICAL WATER SPLITTING
208	\$62,000	GEORGIA STATE UNIV	Huang, Xuefei	CHEMISTRY	STEREOSELECTIVE ASSEMBLY OF CHALLENGING GLYCOSIDIC LINKAGES WITH EARTH-ABUNDANT METAL CATALYSTS
209	\$210,948	UNIVERSITY OF GEORGIA	Merz, Kenneth	CHEMISTRY	GENETICS AND QUANTUM CHEMISTRY AS TOOLS FOR UNKNOWN METABOLITE IDENTIFICATION
210	\$184,535	US DEPT OF ENERGY	Piecuch, Piotr	CHEMISTRY	NEW SINGLE- AND MULTI-REFERENCE COUPLED-CLUSTER METHODS FOR HIGH ACCURACY CALCULATIONS OF GROUND AND EXCITED STATES
211	\$200,124	US DEPT OF ENERGY	Severin, Gregory	CHEMISTRY	AQUEOUS-PHASE ISOTOPE HARVESTING TO MANUFACTURE RADIOACTIVE TARGETS FOR NEUTRON-REACTION STUDIES
212	\$68,540	US DEPT OF ENERGY	Severin, Gregory	CHEMISTRY	DEVELOPMENT OF SOLID ISOTOPE HARVESTING METHODS IN PREPARATION FOR FRIB
213	\$355,857	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Tepe, Jetze	CHEMISTRY	DEVELOPMENT OF CELLULAR HTS FOR 20S PROTEASOME ENHANCERS
214	\$181,586	NATIONAL INST OF HEALTH	Tepe, Jetze	CHEMISTRY	MULTIPARAMETER OPTIMIZATION OF NEW PHENOTHIAZINES FOR PROTEASOME ACTIVATION
215	\$111,920	UNIVERSITY OF MICHIGAN	Xie, Yuying	COMPUTATIONAL MATH SCI AND ENGR CNS	ROBUST IMMUNO-PREVENTION STRATEGIES FOR HIGH-RISK ORAL EPITHELIAL DYSPLASIA
216	\$19,729	EASTERN MICHIGAN UNIV	Libarkin, Julie	CREATE FOR STEM	ASSESSMENT OF THE ANN ARBOR AREA COMMUNITY FOUNDATION'S COMMUNITY SCHOLARSHIP PROGRAM

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217	\$44,616	GEORGE WASHINGTON UNIV	Dorfman, Susannah	EARTH AND ENVIRONMENTAL SCIENCES	CAPITAL-DOE ALLIANCE CENTER: A CENTER OF EXCELLENCE FOR HIGH PRESSURE SCIENCE AND TECHNOLOGY
218	\$195,355	UNIVERSITY OF ALASKA	Freymueller, Jeffrey	EARTH AND ENVIRONMENTAL SCIENCES	21ST CENTURY REGIONAL SEA LEVEL PROJECTIONS DUE TO LAND MASS LOSSES AND GEODYNAMIC ADJUSTMENTS USING 3-D EARTH MODELS
219	\$38,271	LAWRENCE LIVERMORE NATIONAL LABORATORY	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	FORMER SOVIET UNION SEISMOLOGICAL ASSISTANCE IV
220	\$158,584	UNIVERSITY OF OREGON	Braasch, Ingo	INTEGRATIVE BIOLOGY	RESOURCES FOR TELEOST GENE DUPLICATES AND HUMAN DISEASE
221	\$16,500	UNIVERSITY OF CALIFORNIA DAVIS	Meek, Mariah	INTEGRATIVE BIOLOGY	DEVELOPMENT OF SHERLOCK TECHNOLOGY FOR CHINOOK SALMON RUN TYPING
222	\$75,000	SUZANNE UPJOHN DELANO PARISH FOUNDATION	Conner, Jeffrey	KELLOGG BIOLOGICAL STATION NAT. SCI.	KELLOGG BIRD SANCTUARY FACILITY RENOVATIONS
223	\$120,000	THE NATURE CONSERVANCY	Fitzpatrick, Sarah	KELLOGG BIOLOGICAL STATION NAT. SCI.	GENOMIC AND DEMOGRAPHIC MONITORING OF FLORIDA SCRUB-JAYS TO DETERMINE EFFECTS OF INBREEDING AND TRANSLOCATION SUCCESS THROUGHOUT THE SOUTHERN ATLANTIC COAST METAPOPOPULATION
224	\$1,127,000	NATIONAL SCIENCE FOUNDATION	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT. SCI.	LTER: MECHANISMS OF RESILIENCE IN AGRICULTURAL LANDSCAPES
225	\$90,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Litchman, Elena	KELLOGG BIOLOGICAL STATION NAT. SCI.	MODELING THE EVOLUTIONARY EMERGENCE OF DIVERSE MICROBIAL METABOLISMS
226	\$319,267	NATIONAL INST OF HEALTH	Wei, Guowei	MATHEMATICS	SYNERGISTIC INTEGRATION OF TOPOLOGY AND MACHINE LEARNING FOR THE PREDICTIONS OF PROTEIN-LIGAND BINDING AFFINITIES AND MUTATION IMPACTS
227	\$8,400	SIMONS FOUNDATION	Wong, Willie	MATHEMATICS	GEOMETRIC ANALYSIS OF THE LONG TIME BEHAVIOR OF EVOLUTION EQUATIONS
228	\$379,939	NATIONAL INST OF HEALTH	Abramovitch, Robert	MICROBIOLOGY & MOLECULAR GENETICS CNS	MECHANISMS OF MYCOBACTERIUM TUBERCULOSIS PH-DRIVEN ADAPTATION
229	\$144,681	UNIVERSITY OF MICHIGAN	DiRita, Victor	MICROBIOLOGY & MOLECULAR GENETICS CNS	FITNESS OF GRAM-NEGATIVE PATHOGENS DURING BACTEREMIA
230	\$193,750	NATIONAL INST OF HEALTH	Hammer, Neal	MICROBIOLOGY & MOLECULAR GENETICS CNS	EXAMINING HOST-DERIVED GLUTATHIONE AS A SULFUR SOURCE FOR STAPHYLOCOCCUS AUREUS DURING INFECTION

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231	\$60,000	OFFICE OF NAVAL RESEARCH	Reguera, Gemma	MICROBIOLOGY & MOLECULAR GENETICS CNS	THE OTIC MICROBIOME AND ITS ROLE IN MIDDLE EAR DECOMPRESSION AND BAROTRAUMA PREVENTION
232	\$93,248	UNIVERSITY OF IOWA	Schutte, Brian	MICROBIOLOGY & MOLECULAR GENETICS CNS	DISSECTING THE TRANSCRIPTIONAL NETWORK GOVERNING DIFFERENTIATION OF PERIDERM
233	\$245,675	US FISH & WILDLIFE SERVICE	Xi, Zhiyong	MICROBIOLOGY & MOLECULAR GENETICS CNS	AVIAN MALARIA MOSQUITO CONTROL; TOOL DEVELOPMENT
234	\$36,945	VAN ANDEL RESEARCH INST	Schwartz, Richard	NATURAL SCIENCE DEAN	VAN ANDEL RESEARCH INSTITUTE GRADUATE RECRUITMENT OF MSU GRADUATE STUDENTS
235	\$249,346	NATIONAL INST OF HEALTH	Atchison, William	NEUROSCIENCE PROGRAM	MICHIGAN STATE UNIVERSITY PREP: INCREASING UNDERREPRESENTED MINORITY REPRESENTATION IN BIOMEDICAL SCIENCES
236	\$304,264	NORTHROP GRUMMAN CORP	Birge, Norman	PHYSICS-ASTRONOMY	FERROMAGNETIC JOSEPHSON JUNCTIONS FOR CRYOGENIC RANDOM ACCESS MEMORY
237	\$52,648	NATIONAL SCIENCE FOUNDATION	Brock, Raymond	PHYSICS-ASTRONOMY	INVESTIGATIONS IN PROTON-PROTON COLLISIONS AT THE LARGE HADRON COLLIDER
238	\$78,654	UNIVERSITY OF MICHIGAN	Brock, Raymond	PHYSICS-ASTRONOMY	ATLAS GREAT LAKES TIER 2 CENTER
239	\$86,054	UNIVERSITY OF WISCONSIN MILWAUKEE	Kopper, Claudio	PHYSICS-ASTRONOMY	A FRAMEWORK FOR DATA INTENSIVE DISCOVERY IN MULTIMESSENGER ASTROPHYSICS
240	\$15,000	NIOWAVE INC	Ruan, Chong-Yu	PHYSICS-ASTRONOMY	ULTRAFAST ELECTRON MICROSCOPY MODULE TO UPGRADE EXISTING COMMERCIAL ELECTRON MICROSCOPES
241	\$37,634	BROOKHAVEN NATIONAL LABORATORY	Schwienhorst, Reinhard	PHYSICS-ASTRONOMY	THE UPGRADE CONSTRUCTION PROJECT (FOX INSTALLATION AND COMMISSIONING) FOR WBS 1.3.3 TDAQ
242	\$335,747	NATIONAL INST OF HEALTH	Busik, Julia	PHYSIOLOGY NATURAL SCIENCE	DYSLIPIDEMIA AND DIABETIC RETINOPATHY
243	\$286,783	NATIONAL INST OF HEALTH	Crandall, Shane	PHYSIOLOGY NATURAL SCIENCE	DYNAMIC PROPERTIES OF CORTICOTHALAMIC CIRCUITS
244	\$21,500	MICHIGAN CELERY PROMOTION COOPERATIVE	Doseff, Andrea	PHYSIOLOGY NATURAL SCIENCE	CHEMICAL ANALYSES OF SELECTED FLAVONOIDS IN CELERY LEAVES
245	\$49,081	NATIONAL INST OF HEALTH	Levitsky, Yan	PHYSIOLOGY NATURAL SCIENCE	MITOCHONDRIAL CERAMIDE AND DIABETIC RETINOPATHY
246	\$10,000	PENNSYLVANIAN CYSTIC FIBROSIS INC	Luckie, Douglas	PHYSIOLOGY NATURAL SCIENCE	RESEARCH ON CYSTIC FIBROSIS

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247	\$75,000	PETER F MCMANUS CHARITABLE TRUST	Mazei-Robison, Michelle	PHYSIOLOGY NATURAL SCIENCE	NOVEL ROLE FOR VENTRAL TEGMENTAL AREA NEUROMEDIN S IN OPIOID ABUSE
248	\$29,200	KOREAN GINSENG CORP	Parameswaran, Narayanan	PHYSIOLOGY NATURAL SCIENCE	INVESTIGATING THE EFFECTS OF KOREAN GINSENG ON GUT-BONE AXIS
249	\$447,423	NATIONAL INST OF HEALTH	Wang, Hongbing	PHYSIOLOGY NATURAL SCIENCE	NONCONVENTIONAL ROLE OF ADCY IN GQ-MEDIATED NEURONAL SIGNALING AND NEUROPLASTICITY
250	\$48,973	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Brandizzi, Federica	PLANT RESEARCH LABORATORY NAT SCIENCE	LIFE BEYOND EARTH: EFFECT OF SPACE FLIGHT ON SEEDS WITH IMPROVED NUTRITIONAL VALUE
251	\$46,072	NATIONAL SCIENCE FOUNDATION	Xiao, Yimin	STATISTICS & PROBABILITY	SEMINAR ON STOCHASTIC PROCESSES (SSP) 2020
<b>COLLEGE OF NURSING</b>					
252	\$425,618	MICHIGAN HEALTH ENDOWMENT FUND	Ling, Jiying	NURSING	FIRSTSTEP2HEALTH: AN INTERGENERATIONAL PROGRAM TO PROMOTE HEALTHY EATING HABITS
253	\$788,377	NATIONAL HEART LUNG & BLOOD INST	Robbins, Lorraine	NURSING	GUYS/GIRLS OPT FOR ACTIVITIES FOR LIFE (GOAL) TRIAL
254	\$320,886	NATIONAL INST OF NURSING RESEARCH	Wu, Horng-Shiuann	NURSING	EFFECTS OF BRIGHT LIGHT ON CO-OCCURRING CANCER-RELATED SYMPTOMS IN BREAST CANCER SURVIVORS: A PERSONALIZED INTERVENTION
<b>COLLEGE OF OSTEOPATHIC MEDICINE</b>					
255	\$6,936	EISAI INC	Bozoki, Andrea	NEUROLOGY AND OPHTHALMOLOGY COM	EISAI BAN2401-G000-201 OPEN LABEL EXTENSION
256	\$8,919	NORTHWESTERN UNIV	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PHASE IIA, PARALLEL GROUP, TWO-COHORT STUDY TO DEFINE THE SAFETY, TOLERABILITY, CLINICAL AND EXPLORATORY BIOLOGICAL ACTIVITY OF THE CHRONIC ADMINISTRATI
257	\$14,294	SUNOVION PHARMACEUTICALS	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	AN OPEN-LABEL, PHASE 3 STUDY EXAMINING THE LONGER-TERM SAFETY, TOLERABILITY AND EFFICACY OF APL-130277 IN LEVODOPA RESPONSIVE PATIENTS WITH PARKINSON'S DISEASE COMPLICATED BY MOTOR FLUCTUATIONS
258	\$6,125	REVANCE THERAPEUTICS INC	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, OPEN-LABEL, MULTI-CENTER TRIAL TO EVALUATE THE LONG-TERM SAFETY AND EFFICACY OF REPEAT TREATMENTS OF DAXIBOTULINUMTOXINA FOR INJECTION IN ADULTS WITH ISOLATED CERVICAL DYSTONIA (ASPEN-OLS)
259	\$42,212	UNIVERSITY OF LONDON	Kvalsund, Michelle	NEUROLOGY AND OPHTHALMOLOGY COM	MEDICAL RESEARCH COUNCIL (MRC) STRATEGIC AWARD TO ESTABLISH AN INTERNATIONAL CENTRE FOR GENOMIC MEDICINE IN NEUROMUSCULAR DISEASES
260	\$115,842	EISAI INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	EISAI BAN2401-G000-201 OPEN LABEL EXTENSION

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261	\$12,500	MUSCULAR DYSTROPHY ASSOC INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	MSU DEPARTMENT OF NEUROLOGY MDA CARE CENTER
262	\$6,964	ALEXION PHARMACEUTICALS INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTICENTER STUDY TO EVALUATE THE SAFETY AND EFFICACY OF RAVULIZUMAB IN COMPLEMENT-INHIBITOR-NAIVE ADULT PATIENTS WITH GENERALIZED MYASTHENIA
263	\$5,425	RA PHARMACEUTICALS INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY TO CONFIRM THE SAFETY, TOLERABILITY, AND EFFICACY OF ZILUCOPLAN IN SUBJECTS WITH GENERALIZED MYASTHENIA GRAVIS
264	\$58,363	UNIVERSITY OF CALIFORNIA SAN DIEGO	Sidiropoulos, Christos	NEUROLOGY AND OPHTHALMOLOGY COM	A SEAMLESS PHASE 2A-B RANDOMIZED DOUBLE-BLIND PLACEBO-CONTROLLED TRIAL TO EVALUATE THE EFFICACY AND SAFETY OF BHV-4157 IN PATIENTS WITH MILD TO MODERATE ALZHEIMER'S DISEASE
265	\$1,448,604	NATIONAL INST OF HEALTH	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	TREATING BRAIN SWELLING IN PEDIATRIC CEREBRAL MALARIA
266	\$48,756	SHIRE US MANUFACTURING INC	Bailie, Marc	PHARMACOLOGY TOXICOLOGY	SHP607 PIGLET SKIN INFUSION STUDY 18IVF120
267	\$24,438	UNIVERSITY OF MICHIGAN	Liby, Karen	PHARMACOLOGY TOXICOLOGY	NOVEL NRF2 INHIBITORS
268	\$45,038	BREAST CANCER RESEARCH FOUNDATION	Liby, Karen	PHARMACOLOGY TOXICOLOGY	CHEMOPREVENTION OF EXPERIMENTAL ESTROGEN RECEPTOR-NEGATIVE BREAST CANCER
269	\$478,508	NATIONAL INST OF HEALTH	Tewari-Singh, Neera	PHARMACOLOGY TOXICOLOGY	TARGETED THERAPEUTIC APPROACHES TO COUNTERACT TOXICITY FROM PHOSGENE OXIME SKIN EXPOSURE
270	\$240,736	NATIONAL INST OF ARTHRITIS & MUSCULOSKELETAL & SKIN DISEASES	Tewari-Singh, Neera	PHARMACOLOGY TOXICOLOGY	PHOSGENE OXIME CUTANEOUS TOXICITY AND MECHANISMS TO IDENTIFY THERAPEUTIC TARGETS
271	\$202,734	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	CAREGIVER EARLY CHILD DEVELOPMENT TRAINING FOR PREVENTING KONZO FROM TOXIC CASSAVA IN THE DR CONGO
<b>COLLEGE OF SOCIAL SCIENCE</b>					
272	\$104,787	TEXAS STATE UNIVERSITY	Hefner, Joseph	ANTHROPOLOGY SOCIAL SCIENCE	INVESTIGATION OF SUBADULT DENTAL AGE-AT-DEATH ESTIMATION USING TRANSITION ANALYSIS
273	\$28,282	US DEPT OF JUSTICE	Chan, Fiona	CRIMINAL JUSTICE	ENHANCING CORPORATE CRIME ENFORCEMENT WITH MACHINE LEARNING--A MULTIDISCIPLINARY RISK FACTOR APPROACH
274	\$93,713	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Pearson, Amber	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	HEALTH POLICY ANALYSIS AND MAPPING



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275	\$74,412	DMC FOUNDATION	Pearson, Amber	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	IMPACT OF ECOLOGICAL PARK RESTORATION ON COMMUNITY HEALTH IN LOW-INCOME, DETROIT NEIGHBORHOODS: A NATURAL EXPERIMENT
276	\$140,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Chen, Jiquan	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	SOCIOECOLOGICAL CARBON PRODUCTION IN MANAGED AGRICULTURAL-FOREST LANDSCAPES
277	\$200,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	AFRICA BURNED AREA PRODUCT GENERATION, QUALITY ASSESSMENT AND VALIDATION - DEMONSTRATING A MULTI-SOURCE LAND IMAGING (MUSLI) LANDSAT-8 SENTINEL-2 CAPABILITY
278	\$72,162	TEACHERS COLLEGE COLUMBIA UNIV	Bowles, Ryan	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	DEVELOPMENT OF THE BILINGUAL ASSESSMENT OF PHONOLOGICAL SENSITIVITY
279	\$86,400	CACS HEAD START	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	HEAD START PRESCHOOL SERVICES - EAST LANSING
280	\$7,344	INGHAM INTERMEDIATE SCHOOL DISTRICT	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	INGHAM GREAT START READINESS PROGRAM
281	\$109,515	CACS HEAD START	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	HEAD START PRESCHOOL SERVICES - HASLETT
282	\$236,650	UNIVERSITY OF MICHIGAN	Vallotton, Claire	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	GREAT FIRST 8 INFANT TODDLER CURRICULUM PROJECT
283	\$27,888	UNIVERSITY OF CALIFORNIA SANTA BARBARA	Rehberger, Dean	MATRIX HUM ARTS LETTERS SOC SCI ONLINE	RAISE: C-ACCEL PILOT - TRACK A1 (OPEN KNOWLEDGE NETWORK): SPATIALLY- EXPLICIT MODELS, METHODS, AND SERVICES FOR OPEN KNOWLEDGE NETWORKS
284	\$30,142	BOSTON UNIV	Brascamp, Jan	PSYCHOLOGY SOCIAL SCIENCE	HOW DOES NORMALIZATION REGULATE VISUAL COMPETITION?
285	\$189,752	MICHIGAN STATE POLICE	Campbell, Rebecca	PSYCHOLOGY SOCIAL SCIENCE	THE INFLUENCE OF SEXUAL ASSAULT KIT (SAK) DNA EVIDENCE ON CASE PROGRESSION: INVESTIGATOR AND PROSECUTION PERSPECTIVES

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286	\$100,005	US ARMY RESEARCH INST FOR THE BEHAVIORAL & SOCIAL SCIENCES	Kozlowski, Steve	PSYCHOLOGY SOCIAL SCIENCE	A COMPUTATIONAL MODELING APPROACH TO ORGANIZATIONAL EFFECTIVENESS: MAPPING THE EFFECTS OF LEADERSHIP, GROUP STRUCTURE, AND ENVIRONMENTAL SHOCKS
287	\$32,000	HONEYWELL CORP	Ryan, Ann	PSYCHOLOGY SOCIAL SCIENCE	HONEYWELL STUDENT ASSISTANTSHIPS
288	\$12,444	PUBLIC SECTOR CONSULTANTS	Beecher, Janice	PUBLIC UTILITIES INSTITUTE	PSC RESTRUCTURING PAPER NEXT STEPS
289	\$334,750	RESEARCH FOUNDATION OF SUNY	Anderson, Gary	SOCIAL WORK	CHILD WELFARE TRAINING: THE NATIONAL CHILD WELFARE WORKFORCE INSTITUTE
290	\$29,354	MICHIGAN PUBLIC HEALTH INST	McCauley, Heather	SOCIAL WORK	MICHIGAN CRIME VICTIM NEEDS ASSESSMENT
291	\$18,651	HENRY FORD HEALTH SYSTEM	Shires, Deirdre	SOCIAL WORK	MANAGEMENT OF MENTAL HEALTH PROBLEMS AMONG GENDER NON-CONFORMING YOUTH
<b>ASC PROVOST FOR UNDERGRADUATE EDUCATION</b>					
292	\$40,000	US DEPT OF EDUCATION	Gordillo, Paulo	ADMIN SUPPORT MLK INITIATIVE	MSU TALENT SEARCH PROGRAM
<b>COLLEGE OF VETERINARY MEDICINE</b>					
293	\$50,735	ULTRAGENYX PHARMACEUTICAL INC	Fyfe, John	MICROBIOLOGY AND MOLECULAR GENETICS CVM	TRANSLATIONAL MODEL OF GSD III
294	\$207,424	METHYL ISOTHIOCYANATE TASK FORCE	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	MICROSCOPIC EXAMINATION AND MORPHOMETRIC ANALYSIS OF THE NASAL CAVITIES OF RATS EXPOSED BY METHYL ISOTHIOCYANATE (MITC) FOR 1, 5, OR 20 DAYS
295	\$14,996	CANINE HEALTH FOUNDATION	Harrington, Bonnie	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	THE ROLE OF THE PUTATIVE TUMOR SUPPRESSOR GENE SETD2 IN CANINE DIFFUSE LARGE B-CELL LYMPHOMA
296	\$60,000	UNIVERSITY OF MINNESOTA	Sreevatsan, Srinand	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	EVIDENCE-BASED APPROACH TO HEALTH MANAGEMENT IN PASA SANCTUARIES
<b>FACILITY FOR RARE ISOTOPE BEAMS</b>					
297	\$2,500,000	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
298	\$5,940,000	US DEPT OF ENERGY	Glasmacher, Thomas	FACILITY FOR RARE ISOTOPE BEAMS	FACILITY FOR RARE ISOTOPE BEAMS (FR1B)

**Gift, Grant and Contract Report  
Board of Trustees  
February 2020**

	Amount	Sponsor	Director	Unit	Purpose
299	\$185,000	US DEPT OF ENERGY	Chen, Jun	NAT'L SUPERCONDUCTING CYCLOTRON LAB	COMPLILATION AND EVALUATION OF NUCLEAR STRUCTURE AND DECAY DATA
300	\$100,000	US DEPT OF ENERGY	Schatz, Hendrik	NAT'L SUPERCONDUCTING CYCLOTRON LAB	A NEXT GENERATION RECOIL SEPARATOR FOR NUCLEAR ASTROPHYSICS SECAR (SEPARATOR FOR CAPTURE REACTIONS)
301	\$6,000,000	NATIONAL SCIENCE FOUNDATION	Sherrill, Bradley	NAT'L SUPERCONDUCTING CYCLOTRON LAB	OPERATION OF THE NSCL AS A NATIONAL USER FACILITY & RESEARCH PROGRAM
302	\$90,000	NATIONAL SCIENCE FOUNDATION	Shindler, Andrea	NAT'L SUPERCONDUCTING CYCLOTRON LAB	FUNDAMENTAL SYMMETRIES USING LATTICE QCD WITH THE GRADIENT FLOW
303	\$150,000	NATIONAL SCIENCE FOUNDATION	Singh, Jaideep	NAT'L SUPERCONDUCTING CYCLOTRON LAB	CAREER: OPTICAL SINGLE ATOM DETECTION FOR NUCLEAR ASTROPHYSICS
<b>PROVOST AND ACADEMIC AFFAIRS</b>					
304	\$15,000	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	Word, Michelle	ART MUSEUM	MCACA - ART LAB OPEN CALL FY 20
305	\$10,000	MICHIGAN HUMANITIES COUNCIL	CHAMBLISS, JULIAN	MUSEUM	BEYOND THE BLACK PANTHER: AFROFUTURISM VISION IN AMERICAN COMICS
<b>ASC PROV FOR UNIV OUTREACH ENGAGEMENT</b>					
306	\$15,000	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	Brand, Michael	PERFORMING ARTS FACILITIES & PROGRAMS	2019-2020 ACT ONE SCHOOL SERIES
<b>INTERNATIONAL STUDIES AND PROGRAMS</b>					
307	\$233,049	US DEPT OF EDUCATION	Bresnahan, Roger	AFRICAN STUDIES CENTER	FULBRIGHT-HAYS DOCTORAL DISSERTATION RESEARCH ABROAD FY2019
308	\$10,000	TINKER FOUNDATION INC	Medina, Laurie	LATIN AMERICAN STUDIES CENTER	TINKER FIELD RESEARCH GRANT PROGRAM
<b>MSU AGBIORESEARCH</b>					
309	\$200,000	AGRICULTURAL MARKETING SERVICE	Bourquin, Leslie	FOOD SCIENCE AND HUMAN NUTRITION MABR	BUYER ACCEPTANCE OF USDA GAP AND GROUP CERTIFICATIONS: RETAILER RELATIONS, RESEARCH, RECOMMENDATIONS, AND MARKETING
310	\$166,736	MICHIGAN HEALTH ENDOWMENT FUND	Tucker, Robin	FOOD SCIENCE AND HUMAN NUTRITION MABR	SLEEP EDUCATION FOR ELDERS PROGRAM (SLEEP)

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	Amount	Sponsor	Director	Unit	Purpose
311	\$603,581	NATIONAL SCIENCE FOUNDATION	Bonito, Gregory	PLANT SOIL AND MICROBIAL SCIENCES	NSFDEB-BSF: PHYLOGENOMICS OF PEZIZALES AND EVOLUTIONARY TRANSITIONS BETWEEN SAPROTRICPHY AND SYMBIOSES WITH ANIMALS, PLANTS AND BACTERIA
312	\$20,000	SOUTHERN ILLINOIS UNIV	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	SEEDLING DISEASES OF SOYBEAN: MANAGEMENT AND EDUCATION
313	\$11,340	MONSANTO CO	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	MICROBIAL SEED TREATMENT INOCULATED SOY SDS
314	\$10,000	MICHIGAN BEAN COMMISSION	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	INTEGRATION OF SUSTAINABLE MANAGEMENT PRACTICES ESSENTIAL FOR THE ADVANCEMENT OF MICHIGAN DRY BEAN PRODUCTION
315	\$5,040	MONSANTO CO	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	CORN SEED TREATMENT EFFICACY INOCULATED PYTHIUM
316	\$10,000	MICHIGAN BEAN COMMISSION	Kelly, James	PLANT SOIL AND MICROBIAL SCIENCES	INTEGRATION OF SUSTAINABLE MANAGEMENT PRACTICES ESSENTIAL FOR THE ADVANCEMENT OF MICHIGAN DRY BEAN PRODUCTION
317	\$10,000	MICHIGAN BEAN COMMISSION	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	INTEGRATION OF SUSTAINABLE MANAGEMENT PRACTICES ESSENTIAL FOR THE ADVANCEMENT OF MICHIGAN DRY BEAN PRODUCTION
<b>MICHIGAN STATE UNIVERSITY EXTENSION</b>					
318	\$7,000	EASTMAN CHEMICAL PRODUCTS	Nagelkirk, Martin	EXTENSION AGRICULTURE AND AGRIBUSINESS	TESTING OF TAMINCO SUBSIDIARY OF EASTMAN CHEMICAL PRODUCTS IN FIELD RESEARCH
319	\$68,058	UNIVERSITY OF MINNESOTA	Rogers, Erica	EXTENSION AGRICULTURE AND AGRIBUSINESS	TRAINING AGRICULTURAL PROFESSIONALS ON INNOVATIVE ONLINE TOOLS FOR CONSERVATION PLANNING AND IMPLEMENTATION
320	\$500,000	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
321	\$6,000	NATIONAL ASSOC OF STATE DEPT OF AG	Tocco, Phillip	EXTENSION AGRICULTURE AND AGRIBUSINESS	FSMA ON-FARM READINESS REVIEW TRAINING DEVELOPMENT AND DELIVERY
322	\$75,733	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	FY20 1ST QTR BILLING

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Board of Trustees  
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	Amount	Sponsor	Director	Unit	Purpose
323	\$30,000	INDIAN LAND TENURE FOUNDATION	Ivan, David	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	FRTEP PROGRAMMING ON THE RESERVATION OF BAY MILLS AND UPPER PENINSULA BANDS
324	\$122,691	NATIONAL INST OF FOOD & AGRICULTURE	Ivan, David	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	ANISHINAABE GARDENERS, FARMERS AND STEWARDS: PROMOTING INTERGENERATIONAL HEALTH & WELL-BEING THROUGH INTEGRATED FOOD SYSTEMS AND NATURAL RESOURCE EDUCATION
325	\$138,000	UNIVERSITY OF MICHIGAN	Triezenberg, Heather	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	GLANSIS PROJECT MANAGER
326	\$61,786	STATE OF MICHIGAN	Triezenberg, Heather	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	APPLYING A FLIPPED-CLASSROOM APPROACH TO ENGAGE, EDUCATE, AND CONNECT MICHIGAN'S GREAT LAKES COASTAL COMMUNITIES TOWARDS IMPROVED COASTAL RESILIENCE
327	\$36,538	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	Weber, Robert	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	HUD FY19 SUPPLEMENTAL COMPREHENSIVE HOUSING COUNSELING GRANT
328	\$7,590	GREAT LAKES CENTER FOR YOUTH DEVELOPMENT	Carlson, Breanne	EXTENSION HEALTH AND NUTRITION	FY 17 SECONDARY PREVENTION OF CHILD ABUSE & NEGLECT (YEAR 3) - PROMISING FUTURES
329	\$1,064,472	SUBSTANCE ABUSE & MENTAL HEALTH SERVICES ADMINISTRATION	Eschbach, Cheryl	EXTENSION HEALTH AND NUTRITION	EVIDENCE-BASED TRAINING TO PREVENT OUD AND SUPPORT TREATMENT AND RECOVERY IN MICHIGAN'S RURAL COMMUNITIES
330	\$128,222	COMMUNITY FOUNDATION OF GREATER FLINT	Hebert, Sheilah	EXTENSION HEALTH AND NUTRITION	MICHIGAN STATE UNIVERSITY EXTENSION BREASTFEEDING INITIATIVE PROGRAM - TO INCREASE BREASTFEEDING INITIATION, DURATION AND EXCLUSIVITY IN FLINT, THROUGH THE USE OF PEER COUNSELORS.
331	\$110,000	UNITED DAIRY INDUSTRY OF MICHIGAN	Henne, Rebecca	EXTENSION HEALTH AND NUTRITION	MILK MEANS MORE FY2020
332	\$22,875	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Badra, Peter	NATURAL FEATURES INVENTORY MSUE	ECOLOGICAL SURVEYS AND ASSESSMENTS TO FACILITATE RESTORATION ACTIVITIES AT THE SALT RIVER MARSH: LATE SEASON FIELD COMPONENT
333	\$14,763	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Bassett, Tyler	NATURAL FEATURES INVENTORY MSUE	COMPREHENSIVE MONITORING PLAN FOR FORT CUSTER TRAINING CENTER

**Gift, Grant and Contract Report  
Board of Trustees  
February 2020**

	Amount	Sponsor	Director	Unit	Purpose
334	\$13,496	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Bassett, Tyler	NATURAL FEATURES INVENTORY MSUE	CORYDALIS FLAVULA NOVEL AND NATIVE HABITAT ASSESSMENT
335	\$65,000	MICHIGAN AEROSPACE CORP	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	CHARACTERIZING WATERSHED HEALTH USING HETEROGENOUS DATA
336	\$84,766	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	5 - RARE SPECIES EXPLORER DEVELOPMENT AND AUTOMATED RARE SPECIES REVIEW APPLICATION 2020
337	\$251,558	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	2 - MI DNR WLD INTEGRATED INVENTORY 2020
338	\$37,112	MICHIGAN DEPT OF TRANSPORTATION	Higman, Phyllis	NATURAL FEATURES INVENTORY MSUE	MDOT RARE PLANT SURVEYS 2019 - 3 PROJECT LOCATIONS
339	\$357,419	MICHIGAN DEPT OF NATURAL RESOURCES	Klatt, Brian	NATURAL FEATURES INVENTORY MSUE	1 - CAD - CONSULTATION, ADMINISTRATION, AND DATABASE FOR MDNR 2020
340	\$49,114	MICHIGAN DEPT OF ENVIRONMENTAL QUALITY	Klatt, Brian	NATURAL FEATURES INVENTORY MSUE	MDEQ ANNUAL ACCESS TO NATURAL HERITAGE DATABASE
341	\$49,114	MICHIGAN DEPT OF ENVIRONMENTAL QUALITY	Klatt, Brian	NATURAL FEATURES INVENTORY MSUE	20 - MDEQ ANNUAL ACCESS TO NATURAL HERITAGE DATABASE
342	\$25,941	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Lee, Yu Man	NATURAL FEATURES INVENTORY MSUE	CAMP GRAYLING SURVEYS
343	\$67,614	MICHIGAN DEPT OF NATURAL RESOURCES	Lee, Yu Man	NATURAL FEATURES INVENTORY MSUE	6 - CONSERVATION STATUS OF BLANDING'S TURTLE IN THE LAKE ERIE WATERSHED - YEAR 2
344	\$60,366	MICHIGAN DEPT OF NATURAL RESOURCES	Lincoln, Jesse	NATURAL FEATURES INVENTORY MSUE	3 - LAND MANAGEMENT CONSULTATIONS AND SURVEYS 2020
345	\$47,279	MICHIGAN DEPT OF NATURAL RESOURCES	Monfils, Michael	NATURAL FEATURES INVENTORY MSUE	4 - ADAPTIVE MANAGEMENT OF GRASSLAND AND SAVANNA HABITAT IN MICHIGAN AND OHIO FOR SPECIES OF GREATEST CONSERVATION NEED
346	\$13,334	PICKLE PACKERS INTL INC	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	A FIVE-YEAR PLAN TO IMPROVE EARLY DETECTION AND MANAGEMENT OF CUCUMBER DOWNY MILDEW

**Gift, Grant and Contract Report  
Board of Trustees  
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	<b>Amount</b>	<b>Sponsor</b>	<b>Director</b>	<b>Unit</b>	<b>Purpose</b>
347	\$6,000	CELERY RESEARCH INC	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	DISEASES IN CELERY
<b>RESEARCH AND INNOVATION</b>					
348	\$37,560	PROJECT APIS M	Stark, Edmund	MIDLAND ST ANDREWS	TIME-RELEASE ORGANIC ACIDS FOR VARROA CONTROL: FIELD TESTING AT HIGHER TEMPERATURE AND HUMIDITY, INCLUDING HONEY ANALYSIS AND HEALTH METRICS FOR BEES AND COLONY.
349	\$6,280	UNIVERSITY OF MICHIGAN	Hasemann, Charles	MSU INNOVATION CENTER	MICHIGAN CORPORATE RELATIONS NETWORK (MCRN) 6.0
350	\$37,937	UNIVERSITY OF MICHIGAN	Hasemann, Charles	MSU INNOVATION CENTER	MICHIGAN CORPORATE RELATIONS NETWORK (MCRN) 6.0
351	\$200,000	MICHIGAN STATE UNIV FOUNDATION	Hsu, Stephen	RESEARCH AND INNOVATION SVP	SPECIAL EQUIPMENT (RG074711)
<b>UNIVERSITY ADVANCEMENT</b>					
352	\$26,668,384	VARIOUS DONORS - ADVANCEMENT	Heil, Marti	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR THE PERIOD 10/1/2019 TO 12/31/2019
<b>VARIOUS</b>					
353	\$237,302	VARIOUS	Various	Various	94 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	<b>\$94,990,340</b>	<b>Total February 2020 Board</b>			

CONSIGNMENT/NON-CASH GIFTS  
BOARD OF TRUSTEES  
February 14, 2020

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Radicalism Special Collection	Albert Feldstein	Libraries	\$64,640.00	Research & display Special Collection
2	Collection of embellished clothing & textiles from the Balkan region	Dr. Yvonne Lockwood	Museum	\$37,595.00	Research & display
3	Artwork  Andisheh Avini (American, b. 1974) <i>Untitled, 2013</i> Silkscreen ink and marquetry on wood 40 x 25 inches  Andisheh Avini (American, b. 1974) <i>Untitled, 2013</i> Silkscreen ink and marquetry on wood Two parts, overall 40 ½ x 51 ½ inches	Julie & Edward Minskoff	Eli & Edythe Broad Art Museum	\$12,000.00	Donation to Art Museum
4	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$7,005.06	Recruiting trip for Coach Izzo
5	Original painting by Jens Plum <i>Still Life With Table in Room</i>	Nancy Plum	Libraries	\$5,000.00	Research & display
6	Artwork	Jualynne Dodson	Libraries	\$5,000.00	Research & display eight paintings to be added to Area Studies Collection



GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
7-87	Various	Various	Various	\$107,412.22	81 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
			<b>TOTAL</b>	<b>\$238,652.28</b>	

