

**MICHIGAN STATE
UNIVERSITY**



May 31, 2019

MEMORANDUM

TO: Members of the Board of Trustees

FROM: Stephen Hsu, Senior Vice President

A handwritten signature in dark ink, appearing to read "Stephen Hsu".

SUBJECT: Gift, Grant and Contract Report

RECOMMENDATION: That the Board of Trustees approve the attached Gift, Grant and Contract Report for the period of March 13, 2019 through May 17, 2019. The report is a compilation of 512 Gifts, Grants and Contracts plus 97 Consignment/Non-Cash Gifts, with a total value of \$108,785,239.



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

Stephen Hsu
Senior Vice President

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vprqs.msu.edu

FY 2018-19 TOTALS:

- | | |
|---|---------------|
| a) Gifts, Grants and Contracts only: | \$659,922,149 |
| b) Gifts, Grants and Contracts plus Consignments: | \$663,233,547 |

(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: 6/21/2019

AWARD TOTALS

Research			
03/13/19-05/17/19		18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$58,189,323	\$413,900,322	85.6%
State of Michigan	\$1,484,655	\$17,626,089	3.6%
Other	\$2,929,870	\$16,227,926	3.4%
Industry/CO	\$2,967,583	\$9,832,740	2.0%
Foundation	\$2,329,939	\$21,752,451	4.5%
Association	\$854,716	\$4,055,519	0.8%
TOTAL	\$68,756,087	\$483,395,046	100%

Non-Research			
03/13/19-05/17/19		18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$11,284,633	\$59,475,328	33.7%
State of Michigan	\$1,293,563	\$7,696,603	4.4%
Other	\$3,123,116	\$15,968,195	9.0%
Industry/CO	\$249,849	\$4,527,434	2.6%
Foundation	\$2,437,261	\$6,491,632	3.7%
Association	\$298,840	\$888,932	0.5%
Various Donors - Advancement *	\$20,990,090	\$81,478,978	46.2%
TOTAL	\$39,677,353	\$176,527,104	100%

Total			
03/13/19-05/17/19		18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$69,473,956	\$473,375,650	71.7%
State of Michigan	\$2,778,218	\$25,322,692	3.8%
Other	\$6,052,986	\$32,196,121	4.9%
Industry/CO	\$3,217,433	\$14,360,174	2.2%
Foundation	\$4,767,201	\$28,244,083	4.3%
Association	\$1,153,556	\$4,944,451	0.7%
Various Donors - Advancement *	\$20,990,090	\$81,478,978	12.3%
TOTAL	\$108,433,440	\$659,922,149	100%

OF AWARDS

Research			
03/13/19-05/17/19		18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	178	1074	50.4%
State of Michigan	16	104	4.9%
Other	62	320	15.0%
Industry/CO	61	321	15.1%
Foundation	15	98	4.6%
Association	61	214	10.0%
TOTAL	393	2131	100%

Non-Research			
03/13/19-05/17/19		18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	36	212	30.5%
State of Michigan	9	51	7.3%
Other	22	152	21.9%
Industry/CO	17	152	21.9%
Foundation	27	98	14.1%
Association	7	25	3.6%
Various Donors - Advancement *	1	4	0.6%
TOTAL	119	694	100%

Total			
03/13/19-05/17/19		18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	214	1286	45.5%
State of Michigan	25	155	5.5%
Other	84	472	16.7%
Industry/CO	78	473	16.7%
Foundation	42	196	6.9%
Association	68	239	8.5%
Various Donors - Advancement *	1	4	0.1%
TOTAL	512	2825	100%

*New Category in FY 2018-19

Current Year / Previous Year

Gift & Grant Awards

Meeting Date: 6/21/2019

AWARD TOTALS

Research			
<u>Gift/Grant Source</u>	<u>05/26/17-05/21/18</u>	<u>05/22/18-05/17/19</u>	<u>% Change</u>
Federal Government	\$353,306,900	\$413,900,322	17.2%
State of Michigan	\$13,904,743	\$17,626,089	26.8%
Other	\$18,595,700	\$16,227,926	-12.7%
Industry/CO	\$9,674,413	\$9,832,740	1.6%
Foundation	\$33,760,728	\$21,752,451	-35.6%
Association	\$5,261,759	\$4,055,519	-22.9%
TOTAL	\$434,504,243	\$483,395,046	11%

Non-Research			
<u>Gift/Grant Source</u>	<u>05/26/17-05/21/18</u>	<u>05/22/18-05/17/19</u>	<u>% Change</u>
Federal Government	\$44,199,202	\$59,475,328	34.6%
State of Michigan	\$12,139,234	\$7,696,603	-36.6%
Other	\$9,964,536	\$15,968,195	60.3%
Industry/CO	\$4,748,101	\$4,527,434	-4.7%
Foundation	\$7,534,209	\$6,491,632	-13.8%
Association	\$918,166	\$888,932	-3.2%
Various Donors - Advancement*	\$101,930,444	\$81,478,978	-20.1%
TOTAL	\$181,433,891	\$176,527,104	-3%

Total			
<u>Gift/Grant Source</u>	<u>05/26/17-05/21/18</u>	<u>05/22/18-05/17/19</u>	<u>% Change</u>
Federal Government	\$397,506,102	\$473,375,650	19.1%
State of Michigan	\$26,043,977	\$25,322,692	-2.8%
Other	\$28,560,237	\$32,196,121	12.7%
Industry/CO	\$14,422,513	\$14,360,174	-0.4%
Foundation	\$41,294,936	\$28,244,083	-31.6%
Association	\$6,179,925	\$4,944,451	-20.0%
Various Donors - Advancement*	\$101,930,444	\$81,478,978	-20.1%
TOTAL	\$615,938,134	\$659,922,149	7%

OF AWARDS

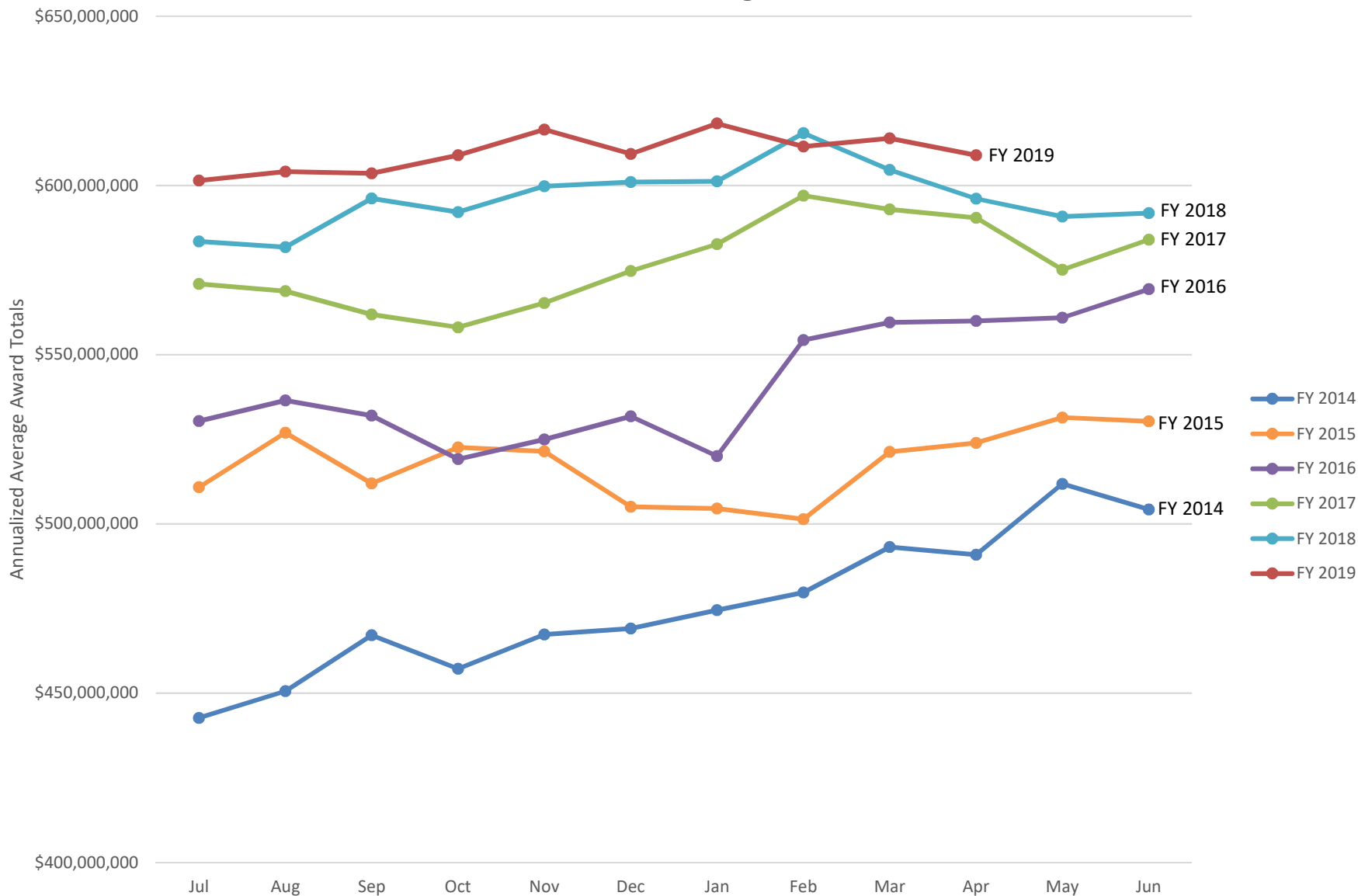
Research			
<u>Gift/Grant Source</u>	<u>05/26/17-05/21/18</u>	<u>05/22/18-05/17/19</u>	<u>% Change</u>
Federal Government	1044	1074	2.9%
State of Michigan	100	104	4.0%
Other	315	320	1.6%
Industry/CO	357	321	-10.1%
Foundation	126	98	-22.2%
Association	285	214	-24.9%
TOTAL	2227	2131	-4%

Non-Research			
<u>Gift/Grant Source</u>	<u>05/26/17-05/21/18</u>	<u>05/22/18-05/17/19</u>	<u>% Change</u>
Federal Government	230	212	-7.8%
State of Michigan	57	51	-10.5%
Other	143	152	6.3%
Industry/CO	178	152	-14.6%
Foundation	92	98	6.5%
Association	29	25	-13.8%
Various Donors - Advancement*	4	4	0.0%
TOTAL	733	694	-5%

Total			
<u>Gift/Grant Source</u>	<u>05/26/17-05/21/18</u>	<u>05/22/18-05/17/19</u>	<u>% Change</u>
Federal Government	1274	1286	0.9%
State of Michigan	157	155	-1.3%
Other	458	472	3.1%
Industry/CO	535	473	-11.6%
Foundation	218	196	-10.1%
Association	314	239	-23.9%
Various Donors - Advancement*	4	4	0.0%
TOTAL	2960	2825	-5%

*New Category in FY 2018-19

Michigan State University 3 Year Annualized Average Awards



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

Top 10 Awards for the June 21, 2019 BOT Meeting

Rank	Funding Type	Award Amount	First PI	Grantor	Dept	New or Revision	Function	Project Dates	Title
1	Federal Government	\$13,370,763	Glasmacher, Thomas	ENERGY US DEPT OF	FACILITY FOR RARE ISOTOPE BEAMS	Revision	Research	5/1/2009 1/14/2023	FACILITY FOR RARE ISOTOPE BEAMS (FRIB)
2	Federal Government	\$6,000,000	Crawford, Eric	AGENCY FOR INTERNATL DEVELOPMENT	INTERNATIONAL STUDIES AND PROGRAMS DEAN	Revision	Public Service	11/8/2012 9/30/2022	GLOBAL CENTER FOR FOOD SYSTEMS INNOVATION
3	Federal Government	\$3,300,000	Benning, Christoph	ENERGY US DEPT OF	PLANT RESEARCH LABORATORY NAT SCIENCE	New	Research	12/1/1990 3/31/2020	PHOTOSYNTHETIC ENERGY CAPTURE, CONVERSION AND STORAGE: FROM FUNDAMENTAL MECHANISMS TO MODULAR ENGINEERING
4	Federal Government	\$2,118,406	Furr-Holden, Debra	National Institute on Minority Health and Health Disparities	CHM FLINT	Revision	Research	7/20/2016 2/28/2020	THE FLINT CENTER FOR HEALTH EQUITY SOLUTIONS
5	Federal Government	\$2,000,000	Schatz, Hendrik	ENERGY US DEPT OF	NAT'L SUPERCONDUCTING CYCLOTRON LAB	New	Research	4/1/2015 11/14/2019	A NEXT GENERATION RECOIL SEPARATOR FOR NUCLEAR ASTROPHYSICS SECAR (SEPARATOR FOR CAPTURE REACTIONS)
6	Federal Government	\$1,783,428	Petersen-Jones, Simon	NATL INST OF HEALTH - NIH/PHS	SMALL ANIMAL CLINICAL SCIENCES	New	Research	4/1/2018 1/31/2020	TRANSLATIONAL GENE THERAPY FOR CNGB1 RETINITIS PIGMENTOSA
7	Federal Government	\$1,502,433	Verboncoeur, John	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	ELECTRICAL AND COMPUTER ENGINEERING	New	Research	12/15/2017 3/14/2020	MULTIPACTOR AND BREAKDOWN SUSCEPTIBILITY AND MITIGATION IN SPACE-BASED RF SYSTEMS
8	Federal Government	\$1,368,810	Fink, Gregory	NATL HEART LUNG BLOOD INST -NIH/PHS	PHARMACOLOG Y TOXICOLOGY	Revision	Research	4/1/2015 3/31/2020	NEUROHUMORAL CONTROL OF ARTERIES AND VEINS IN OBESITY-ASSOCIATED HYPERTENSION
9	Federal Government	\$1,165,720	Taylor, Terrie	NATL INST OF ALLERGY & INFEC DIS -NIH	OSTEOPATHIC MEDICAL SPECIALTIES COM	New	Research	7/1/2017 3/31/2020	THE INTRANSIGENCE OF MALARIA IN MALAWI: UNDERSTANDING HIDDEN RESERVOIRS, SUCCESSFUL VECTORS AND PREVENTION FAILURES
10	Foundation	\$1,100,000	Hunt, Paul	DOW FOUNDATION HERBERT & GRACE	ASSOCIATE VICE PRESIDENT FOR RESEARCH	New	Education	5/1/2019 4/30/2020	A PROPOSAL FOR THE 2019-2021 SUPPORT OF MSU ST. ANDREWS AND RELATED CAMPUS RESOURCES
		\$33,709,560							

**Gift, Grant and Contract Report
Board Of Trustees
June 2019**

	Amount	Donor	Director	Unit	Purpose
COLLEGE OF AGRICULTURE AND NAT RESOURCES					
1	\$6,000,000	AGENCY FOR INTERNATL DEVELOPMENT	Crawford, Eric	INTERNATIONAL STUDIES AND PROGRAMS DEAN	GLOBAL CENTER FOR FOOD SYSTEMS INNOVATION
2	\$800,000	AGENCY FOR INTERNATL DEVELOPMENT	Haggblade, Steven	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	MALI FOOD SECURITY POLICY RESEARCH PROJECT
3	\$197,000	INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE	Jayne, Thomas	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CGIAR RESEARCH PROGRAM ON POLICIES, INSTITUTIONS, AND MARKETS (PIM)
4	\$10,000	MICH TURFGRASS FOUNDATION	Nikolai, Thomas	PLANT SOIL AND MICROBIAL SCIENCES	TURFGRASS TESTING
5	\$500,000	USDA - NATIONAL RESEARCH INITIATIVE	Gondro, Cedric	ANIMAL SCIENCE DEPARTMENT ANR	NOVEL METHODS TO INCREASE THE ACCURACY OF GENOMIC PREDICTION USING SEQUENCE DATA
6	\$282,421	NATL INST CHILD HEALTH & HUMAN DEV -NIH/PHS	Sen, Aritro	ANIMAL SCIENCE DEPARTMENT ANR	ROLE OF MEMBRANE-INITIATED ANDROGEN SIGNALING IN OVARIAN FUNCTION
7	\$36,000	MYTECH TECHNOLOGY CO LTD	Zhou, Zheng	ANIMAL SCIENCE DEPARTMENT ANR	MYTECH TECHNOLOGY CO LTD
8	\$15,000	MICH SOYBEAN PROMOTION COMMITTEE	Ghane, Ehsan	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	CONTROLLED DRAINAGE: A DRAINAGE CONSERVATION PRACTICE TO REDUCE PHOSPHORUS LOSS FROM SUBSURFACE-DRAINED FIELDS
9	\$15,000	NATIONAL SCIENCE FOUNDATION	Saffron, Christopher	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	SYMPOSIUM ON SCIENCE AND TECHNOLOGY DRIVING THE BIOECONOMY
10	\$16,438	DTE ENERGY	Surbrook, Truman	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	2018 SUPPORT OF ACTIVITIES OF THE MICHIGAN AGRICULTURAL ENERGY COUNCIL
11	\$100,000	US DEPT AGRICULTURE	Surbrook, Truman	BIOSYSTEMS AG ENGINEERING MABR	FARM AND RURAL BUSINESS ENERGY AUDIT ASSISTANCE
12	\$364,872	KELLOGG W K FOUNDATION	Pirog, Richard	DEPARTMENT OF COMMUNITY SUSTAINABILITY	TRACKING AND SCALING PROMISING PRACTICES AND POLICIES FOR EQUITABLE FOOD SYSTEMS
13	\$23,812	MCLAUGHLIN GORMLEY KING CO	Mota-Sanchez, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING PROTOCOL OF MGK COMPOUNDS IN A SUSCEPTIBLE AND A RESISTANT POPULATION OF LARVAE OF FALL ARMYWORM (FAW), SPODOPTERA FRUGIPERDA (SMITH) PROTOCOL 2 TOPICAL

**Gift, Grant and Contract Report
Board Of Trustees
June 2019**

	Amount	Donor	Director	Unit	Purpose
14	\$17,000	MCLAUGHLIN GORMLEY KING CO	Mota-Sanchez, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING PROTOCOL OF MGK COMPOUNDS IN A SUSCEPTIBLE AND A RESISTANT POPULATION OF LARVAE OF FALL ARMYWORM (FAW), SPODOPTERA FRUGIPERDA (SMITH). PROTOCOL ONE
15	\$6,812	MCLAUGHLIN GORMLEY KING CO	Mota-Sanchez, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING PROTOCOL OF MGK COMPOUNDS IN MIX WITH SYNERGISTS IN A SUSCEPTIBLE AND A RESISTANT POPULATION OF LARVAE OF FALL ARMYWORM (FAW), SPODOPTERA FRUGIPERDA (SMITH). TESTING PROTOCOL THREE SYNERGISM.
16	\$302,600	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Szucs, Marianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	INITIATING A CLASSICAL BIOCONTROL PROGRAM AGAINST INVASIVE SWALLOW-WORTS IN MICHIGAN
17	\$29,276	GREAT LAKES FISHERIES COMMISSION	Brenden, Travis	FISHERIES AND WILDLIFE	GREAT LAKES FISHERY COMMISSION SUPPORT FOR THE QUANTITATIVE FISHERIES CENTER
18	\$30,000	MI ENVIRONMENTAL QUALITY	Latimore, Jo	FISHERIES AND WILDLIFE	AQUATIC INVASIVE SPECIES EDUCATION
19	\$193,178	UNITED STATES FISH AND WILDLIFE SERVICE	Loch, Thomas	FISHERIES AND WILDLIFE MABR	ASSESSING THE RISK OF EMERGENT AND ENDEMIC FISH PATHOGENS TO GREAT LAKES LAKE STURGEON POPULATIONS
20	\$30,000	CLEVELAND METROPARKS ZOO	Montgomery, Robert	FISHERIES AND WILDLIFE	THE SNARES TO WARES INITIATIVE
21	\$44,844	NATL GEOGRAPHIC SOC	Montgomery, Robert	FISHERIES AND WILDLIFE	CONSERVING LIONS VIA THE IMPLEMENTATION OF A CAPACITY-BUILDING INITIATIVE ADDRESSING HUMAN POVERTY.
22	\$70,000	NATURE CONSERVANCY THE	Rose, Joan	FISHERIES AND WILDLIFE	WATER INFRASTRUCTURE FUNDING: DEVELOPING RECOMMENDATIONS FOR POLICY MAKERS IN MICHIGAN
23	\$23,811	MICHIGAN UNIVERSITY OF	Taylor, William	FISHERIES AND WILDLIFE	MICHIGAN SEA GRANT OMNIBUS ADMINISTRATION
24	\$116,052	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Tsao, Jean	FISHERIES AND WILDLIFE	MICHIGAN TICK SURVEILLANCE PROJECT
25	\$132,504	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Williams, David	FISHERIES AND WILDLIFE	QUANTITATIVE WILDLIFE CENTER RESEARCH AND BIOMETRICS SUPPORT FOR DNR WILDLIFE DIVISION
26	\$120,149	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Williams, David	FISHERIES AND WILDLIFE	CHRONIC WASTING DISEASE DEER MOVEMENT STUDY
27	\$15,000	FARM INPUT PROMOTIONS AFRICA LTD	Bello Bravo, Maria Julia	FOOD SCIENCE AND HUM NUTRITION ANR	CREATION OF EDUCATIONAL ANIMATED CONTENT AND CASE STUDY COLLABORATIVE RESEARCH WITH FIPS AFRICA
28	\$70,000	BLUE CROSS BLUE SHIELD OF MICHIGAN FDTN.	Comstock, Sarah	FOOD SCIENCE AND HUM NUTRITION ANR	ANTIBIOTIC USE DURING PREGNANCY AND ANTIBIOTIC RESISTANCE IN OFFSPRING

**Gift, Grant and Contract Report
Board Of Trustees
June 2019**

	Amount	Donor	Director	Unit	Purpose
29	\$88,243	UNITED SORGHUM CHECKOFF PROGRAM	Turner, Nancy	FOOD SCIENCE AND HUM NUTRITION ANR	COLON CANCER CHEMOPREVENTION WITH SORGHUM - IMPACT OF COOKING
30	\$50,000	TETRA TECH INC.	Skole, David	FORESTRY MABR	REPLACE LESTARI
31	\$11,175	ARIZONA UNIVERSITY OF	Stark, Scott	FORESTRY	TESTING SATELLITE-BASED SCALING OF TROPICAL FOREST PHOTOSYNTHESIS WITH A NEW NETWORK OF CAMERAS AND FLUORESCENCE SPECTROMETERS IN AMAZONIA
32	\$33,500	HORTICULTURAL RES INSTITUTE	Behe, Bridget	HORTICULTURE ANR	OFF THE SALES FLOOR AND INTO THE CART: ANALYZING THE PATH TO PLANT PURCHASES
33	\$20,000	MDOA HORTICULTURE FUND	Fernandez, Rodney	HORTICULTURE ANR	REDUCING PESTICIDE LOSS IN NURSERY RUNOFF THROUGH OPTIMIZED IRRIGATION
34	\$161,538	US DEPT AGRICULTURE	Hill, Joseph	HORTICULTURE ANR	INVESTIGATING THE MOLECULAR ROLE AND COMPONENTS OF TAC1- AND LAZY1-DEPENDENT PLANT ARCHITECTURE CONTROL
35	\$10,000	NATL CHERRY GROWERS & IND FDN	Iezzoni, Amy	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF MSU CHERRY ROOTSTOCK - PRECOMMERCIALIZATION WORK.
36	\$20,834	UNIVERSITY OF HAWAII	Melakeberhan, Haddish	HORTICULTURE ANR	INTEGRATED AND SCALABLE NEMATODE-SOIL HEALTH MANAGEMENT FOR SMALLHOLDER POTATO FARMING SYSTEMS
37	\$26,090	NATIONAL SCIENCE FOUNDATION	Gross, Katherine	KELLOGG BIOLOGICAL STATION NAT. SCI.	REU SITE: ECOLOGICAL AND EVOLUTIONARY DYNAMICS IN A CHANGING WORLD
38	\$550,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Millenbah, Kelly	OFF OF ACADEMIC AND STUDENT AFFAIRS CANR	FRUIT AND VEGETABLE MOBILE LABS AND WORKFORCE DEVELOPMENT INITIATIVE
39	\$300,000	NATIONAL SCIENCE FOUNDATION	Day, Brad	PLANT SOIL AND MICROBIAL SCIENCES	THE GUARD CELL AS A PARADIGM TO DISSECT THE ROLE OF THE ACTIN CYTOSKELETON IN PLANT IMMUNITY
40	\$10,000	IRI RESEARCH INSTITUTE	Ines, Amor Valeriano	PLANT SOIL AND MICROBIAL SCIENCES	CLIMATE INFORMATION SERVICES FOR GENERATING OPERATIONAL CROPPING CALENDARS
41	\$31,000	JET PROPULSION LABORATORY	Ines, Amor Valeriano	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPMENT, TESTING AND IMPLEMENTATION OF LOW COST AND EFFECTIVE IN SITU SOIL MOISTURE SENSOR FOR CITIZEN SCIENCE
42	\$16,519	MICH POTATO INDUSTRY COMMISSION	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	MICHIGAN POTATO RESEARCH TECHNICIAN
43	\$10,000	MICH TURFGRASS FOUNDATION	Rogers, John	PLANT SOIL AND MICROBIAL SCIENCES	TO SUPPORT TURFGRASS RESEACH AT MSU IN 2018

**Gift, Grant and Contract Report
Board Of Trustees
June 2019**

	Amount	Donor	Director	Unit	Purpose
44	\$65,914	MICH VEGETABLE COUNCIL	Rosenzweig, Noah	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPING INTEGRATED CROP MANAGEMENT AND EXTENSION PROGRAMMING FOR MICHIGAN TABLE BEET AND TURNIP PRODUCTION
45	\$62,700	CIAT	Snapp, Sieglinde	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	TOWARDS LARGE SCALE DECISION SUPPORT FOR FARMERS: SITE AND SEASON SPECIFIC ADVICE IN MALAWI
46	\$15,000	MICH SUGAR CO	Willbur, Jaime	PLANT SOIL AND MICROBIAL SCIENCES	DETERMINATION OF AZOXYSTROBIN SENSITIVITY IN MICHIGAN RHIZOCTONIA SOLANI POPULATIONS
47	\$35,868	INGHAM COUNTY	Cui, Yue	SCHOOL OF PLANNING DES CONSTRUCTION ANR	INGHAM COUNTY TAX AUCTION STUDY
48	\$17,850	ARCHITECTURE & URBAN RESEARCH INST	Kim, Jun-Hyun	SCHOOL OF PLANNING DES CONSTRUCTION ANR	DEVELOPING SUSTAINABLE URBAN DEVELOPMENT POLICY UNDER THE NEW INTERNATIONAL CLIMATE CHANGE AGENDA
49	\$5,600	LANDSCAPE ARCHITECTURE FOUNDATION	Kim, Jun-Hyun	SCHOOL OF PLANNING DES CONSTRUCTION ANR	CASE STUDY INVESTIGATION RESEARCH FELLOW IN LANDSCAPE ARCHITECTURE
50	\$16,000	NATIONAL SCIENCE FOUNDATION	Mollaoglu, Sinem	MSU AGBIORESEARCH DIR OFC	REU: SOCIAL NETWORK BASED INTERVENTION ON AEC PROJECT
COLLEGE OF ARTS AND LETTERS					
51	\$158,250	INST OF INTERNATL EDUCATION	Albee, Mark	ENGLISH LANGUAGE CENTER	ENGLISH LANGUAGE CERTIFICATE PROGRAM FOR BRAZILIAN HIGH SCHOOL TEACHERS
52	\$136,775	INST OF INTERNATL EDUCATION	Albee, Mark	ENGLISH LANGUAGE CENTER	MSU FOREIGN FULBRIGHT ENGLISH FOR GRADUATE STUDIES PROGRAM
53	\$183,300	REPUBLIC OF PANAMA MINISTRY OF EDUCATION	Albee, Mark	ENGLISH LANGUAGE CENTER	PANAMÁ BILINGÜE PROGRAM FOR TEACHERS
54	\$235,820	REPUBLIC OF PANAMA MINISTRY OF EDUCATION	Gass, Susan	ENGLISH LANGUAGE CENTER	PANAMÁ BILINGÜE PROGRAM FOR TEACHERS
55	\$10,000	EDWARD C & LINDA DRESNER LEVY FOUNDATION	Aronoff, Yael	JEWISH STUDIES PROGRAM	ISRAEL AT 70 CONFERENCE
56	\$18,188	NATIONAL SCIENCE FOUNDATION	Godfroid, Aline	LINGUISTICS,GERM,SLA VIC,ASIAN,AFR LANG	DOCTORAL DISSERTATION RESEARCH: EXPLORING THE INTERFACE OF IMPLICIT AND EXPLICIT SECOND-LANGUAGE KNOWLEDGE: A LONGITUDINAL PERSPECTIVE
57	\$200,152	SIMONS FOUNDATION	Grabill, Jeffrey	HUB INNOV IN LEARNING AND TECHNOLOGY	SCIENCE GALLERY DEPTH EXHIBITION

**Gift, Grant and Contract Report
Board Of Trustees
June 2019**

	Amount	Donor	Director	Unit	Purpose
COLLEGE OF COMMUNICATION ARTS SCIENCES					
58	\$38,462	PENNSYLVANIA UNIVERSITY OF	Ellithorpe, Morgan	ADVERTISING AND PUBLIC RELATIONS	MISLEADING MESSAGES, AMBIVALENT ATTITUDES: TEENS' HEALTH BELIEFS ON SPORTS DRINKS
59	\$137,795	NATL INST OF HEALTH - NIH/PHS	Naghbolhosseini, Maryam	COMMUNICATIVE SCIENCES DISORDERS CAS	STUDYING THE LARYNGEAL MECHANISMS UNDERLYING DYSPHONIA IN CONNECTED SPEECH
60	\$28,332	COMMUNITY FOUNDATION FOR SOUTHEAST MICHIGAN	Grimm, Joseph	JOURNALISM	COMMUNITY VIDEO NEWS AND THE CELLPHONE SOLUTION
61	\$115,440	NATIONAL SCIENCE FOUNDATION	Wyche, Susan	MEDIA AND INFORMATION	"CAREER: INFORMATION AND COMMUNICATION TECHNOLOGY USE IN COMMUNITIES WITH LIMITED TECHNICAL INFRASTRUCTURES,"
COLLEGE OF EDUCATION					
62	\$45,000	MICHIGAN DEPARTMENT OF HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	INFANT AND EARLY CHILDHOOD MENTAL HEALTH CONSULTATION EVALUATION (ECMHC)
63	\$65,000	WILLIAMS SYNDROME ASSOC	Fisher, Marisa	COUNSELING, EDUC PSYCH & SPEC EDUC	DEVELOPMENT OF A SOCIAL SKILLS TRAINING PROGRAM FOR INDIVIDUALS WITH WILLIAMS SYNDROME
64	\$122,797	WISCONSIN STOUT UNIVERSITY OF	Leahy, Michael	COUNSELING, EDUC PSYCH & SPEC EDUC	VOCATIONAL REHABILITATION TECHNICAL ASSISTANCE CENTER-PROGRAM EVALUATION AND QUALITY ASSURANCE (VRTAC-PEQA)
65	\$75,000	HANDICAPPER ADVOCACY ALLIANCE INC	Sung, Connie	COUNSELING, EDUC PSYCH & SPEC EDUC	IMPLEMENTATION AND EVALUATION OF SCHOOL-BASED PRE-EMPLOYMENT TRAINING (DNCAP3)
66	\$251,603	CHARLES STEWART MOTT FOUNDATION	Beverly, Bryan	CED OUTREACH	COMPREHENSIVE SYSTEM FOR RAPID DISTRICT INTERVENTION FOR FLINT COMMUNITY SCHOOLS-YEAR 4
67	\$104,650	VARIOUS SCHOOLS	Markle, Barbara	EDUCATION DEAN	K-12 SCHOOL IMPROVEMENT TRAINING
68	\$273,750	VARIOUS SCHOOLS	Paine, Lynn	EDUCATION DEAN	CONFUCIUS INSTITUTE CHINESE TEACHER CONTRACTS
69	\$7,226	AMER INSTITUTES FOR RESEARCH	Strunk, Katharine	EDUCATION POLICY CENTER	CALDER 3 (SMITH RICHARDSON FOUNDATION GRANT)
70	\$45,000	ARIZONA STATE UNIVERSITY	Renn, Kristen	EDUCATIONAL ADMINISTRATION	UIA SCALE PROJECT - CHATBOTS
71	\$49,991	SPENCER FOUNDATION	Renn, Kristen	EDUCATIONAL ADMINISTRATION	ROLE OF POSTSECONDARY EDUCATION IN SOCIAL MOBILITY AND SOCIAL REPRODUCTION
72	\$280,000	RALPH C WILSON JR FOUNDATION	Gould, Daniel	KINESIOLOGY - ED	DEVELOPING AN IN-PERSON COACHING EDUCATION WORKSHOP FOR ENTRY LEVEL YOUTH SPORT COACHES

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73	\$15,329	SANFORD RESEARCH	Pfeiffer, Karin	KINESIOLOGY - ED	EVALUATION OF THE EFFECTIVENESS OF SANFORD FIT4SCHOOLS
74	\$45,000	THE NATIONAL ACADEMIES OF SCIENCES ENGINEERING MEDICINE	Warren, Chezare	TEACHER EDUCATION	EMPATHY, TEACHER DISPOSITIONS, AND CULTURALLY RESPONSIVE PEDAGOGY
COLLEGE OF ENGINEERING					
75	\$32,506	CEDARS SINAI HEALTH SYSTEM	Alessio, Adam	INSTITUTE FOR QUANTITATIVE HEALTH	INTEGRATED ANALYSIS OF CORONARY ANATOMY AND BIOLOGY USING 18F-FLUORIDE PET AND CT ANGIOGRAPHY
76	\$401,529	NATL HEART LUNG BLOOD INST -NIH/PHS	Alessio, Adam	INSTITUTE FOR QUANTITATIVE HEALTH	QUANTITATIVE CT EVALUATION OF FOCAL EPICARDIAL VS DIFFUSE CONTRIBUTIONS TO CORONARY ARTERY DISEASE
77	\$45,164	NATL INST OF HEALTH - NIH/PHS	Contag, Christopher	INSTITUTE FOR QUANTITATIVE HEALTH	DYNAMIC IMAGING FOR EMT IN BREAST CANCER MICROENVIRONMENT
78	\$99,462	NATIONAL SCIENCE FOUNDATION	Lai, Wei	CHEMICAL ENGINEERING AND MATERIALS SCI	CAREER: STRUCTURE-PROPERTY RELATIONSHIPS IN BI-FUNCTIONAL BATTERY MATERIALS
79	\$30,000	USDA - AGRI MARKETING SERV US DEPT AGR	Narayan, Ramani	CHEMICAL ENGINEERING AND MATERIALS SCI	STUDY OF THE USE OF BIODEGRADABLE BIOBASED MULCH FILM IN ORGANIC CROPPING SYSTEM
80	\$78,000	AMERICAN CHEMISTRY COUNCIL	Haq, Mahmoodul	CIVIL AND ENVIRONMENTAL ENGINEERING	DISSIMILAR MATERIAL JOINING USING FERROMAGNETIC NANOPARTICLES (FMNP) EMBEDDED REVERSIBLE ADHESIVES: PERFORMANCE LIMITS ON MECHANICAL, IMPACT, FATIGUE AND PROCESSING PROPERTIES
81	\$75,000	MICHIGAN DEPARTMENT OF TRANSPORTATION	Kutay, Muhammed	CIVIL AND ENVIRONMENTAL ENGINEERING	LABORATORY EVALUATION OF HMA SAMPLES FROM THE US-131 30-YEAR PILOT PROJECT
82	\$15,000	MICHIGAN UNIVERSITY OF	Mantha, Phanikumar	CIVIL AND ENVIRONMENTAL ENGINEERING	MODELING RIVER PLUMES AND BI-DIRECTIONAL FLOW IN FRESH WATER ESTUARIES IN THE GREAT LAKES REGION
83	\$161,000	US GEOLOGICAL SURVEY	Mantha, Phanikumar	CIVIL AND ENVIRONMENTAL ENGINEERING	CLADOPHORA IN THE GREAT LAKES: FIELD OBSERVATIONS AND MODELING
84	\$136,446	US GEOLOGICAL SURVEY	Mantha, Phanikumar	CIVIL AND ENVIRONMENTAL ENGINEERING	LINKING ENVIRONMENTAL METAGENOMICS, EDNA MONITORING AND HYDRODYNAMIC FATE AND TRANSPORT MODELING FOR THE GREAT LAKES
85	\$18,300	US GEOLOGICAL SURVEY	Mantha, Phanikumar	CIVIL AND ENVIRONMENTAL ENGINEERING	EVALUATE THE FATE AND TRANSPORT OF HISTORIC BACKFLOWS FROM THE CHICAGO AREA WATERWAY SYSTEM TO LAKE MICHIGAN

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86	\$230,104	MICHIGAN DEPARTMENT OF TRANSPORTATION	Savolainen, Peter	UNIVERSITY RESEARCH ORGANIZATION	EVALUATING THE IMPACTS OF THE 2017 LEGISLATIVE MANDATED SPEED LIMIT INCREASES
87	\$127,024	MICHIGAN DEPARTMENT OF TRANSPORTATION	Savolainen, Peter	UNIVERSITY RESEARCH ORGANIZATION	EFFECTIVENESS OF CRASH FACT/SAFETY MESSAGE SIGNS ON DYNAMIC MESSAGE SIGNS
88	\$22,500	WILLDAN ENERGY SOLUTIONS	Zockaie, Ali	CIVIL AND ENVIRONMENTAL ENGINEERING	TURKEY: TECHNICAL ASSISTANCE - METU SMART CAMPUS
89	\$200,000	BROWN UNIVERSITY	Zayernouri, Mohsen	COMPUTATIONAL MATH SCI AND ENGR EGR	FRACTIONAL PDES FOR CONSERVATION LAWS AND BEYOND; THEORY, NUMERICS AND APPLICATIONS - ADD-ON FUNDING #4 SUBTITLE: PHASE-FIELD-BASED SUBGRID SCALE MODELING OF MATERIAL FAILURE: A NONLOCAL APPROACH
90	\$110,531	BROWN UNIVERSITY	Zayernouri, Mohsen	STATISTICS & PROBABILITY	FRACTIONAL PDES FOR CONSERVATION LAWS AND BEYOND: THEORY, NUMERICS AND APPLICATIONS
91	\$35,698	TULSA OKLAHOMA UNIVERSITY OF	Cheng, Betty	COMPUTER SCIENCE AND ENGINEERING	AN UNCERTAINTY-AWARE APPROACH TO CERTIFYING ASSURANCE FOR AUTONOMOUS SYSTEMS
92	\$75,000	LENOVO CO	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	RESEARCH GIFT
93	\$50,000	VISA INC	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	BIOMETRICS RESEARCH
94	\$20,000	ZKTECO INC	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	BIOMETRICS RESEARCH
95	\$525,000	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	PRESENTATION ATTACK DETECTION: SOLUTIONS FOR FINGERPRINTS, FACE AND IRIS SYSTEMS
96	\$92,000	NOTRE DAME UNIVERSITY OF	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	POST-MORTEM IRIS RECOGNITION
97	\$64,319	TENNESSEE UNIV OF	Ross, Arun	UNIVERSITY RESEARCH ORGANIZATION	POST-MORTEM BIOMETRIC IDENTIFICATION
98	\$95,559	NATIONAL SCIENCE FOUNDATION	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	CAREER: SIGNED NETWORKS: MODELING, MEASURING, AND MINING
99	\$20,500	ARIZONA STATE UNIVERSITY	Albrecht, John	UNIVERSITY RESEARCH ORGANIZATION	PARTICLE-BASED MODELING OF LARGE SIGNAL RF RELIABILITY FOR MM-WAVE GAN POWER AMPLIFIERS
100	\$136,202	FRAUNHOFER USA	Asmussen, Jes	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER RESEARCH CENTER FOR COATING AND LASER APPLICATIONS

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101	\$200,000	FORD MOTOR COMPANY	Chahal, Premjeet	ELECTRICAL AND COMPUTER ENGINEERING	ADDITIVE MANUFACTURING OF EMBEDDED SONIC SENSORS
102	\$200,000	FORD MOTOR COMPANY	Chahal, Premjeet	ELECTRICAL AND COMPUTER ENGINEERING	WIRELESS SENSORS FOR AUTOMOTIVE SEAT APPLICATIONS
103	\$49,995	HONEYWELL CORPORATION	Chahal, Premjeet	UNIVERSITY RESEARCH ORGANIZATION	METAMATERIAL DESIGNS FOR THZ AND IR APPLICATIONS
104	\$17,498	MICHIGAN UNIVERSITY OF	Chahal, Premjeet	ELECTRICAL AND COMPUTER ENGINEERING	LOCALIZATION AND REAL-TIME MONITORING OF BURIED PIPELINES
105	\$182,024	FORD MOTOR COMPANY	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	A ML BASED METHODOLOGY TO OBTAIN AN EXPLAINABLE AND MEANINGFUL INTERPRETATION OF TRAINED DNN
106	\$25,000	MASSACHUSETTS INST OF TECHNOLOGY	Grotjohn, Timothy	ELECTRICAL AND COMPUTER ENGINEERING	SUPPORT OF DIAMOND-BASED RF DEVICE DEVELOPMENT
107	\$80,000	NATIONAL SCIENCE FOUNDATION	Li, Wen	ELECTRICAL AND COMPUTER ENGINEERING	EAGER: REAL-TIME: FREE-FLOATING WIRELESS IMPLANTABLE OPTICAL STIMULATORS FOR UNTETHERED OPTOGENETICS
108	\$19,997	MARYLAND UNIV OF	Mukkamala, Ramakrishna	ELECTRICAL AND COMPUTER ENGINEERING	ULTRA-CONVENIENT CARDIOVASCULAR RISK PREDICTORS MEASUREMENT BASED ON THE BALLISTOCARDIOGRAM
109	\$90,439	PROCTER & GAMBLE CO	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	WIRELESS MEASUREMENT OF HUMAN-PRODUCT INTERACTIONS
110	\$84,000	HONEYWELL CORPORATION	Papapolymerou, John	UNIVERSITY RESEARCH ORGANIZATION	MSU RADAR 2021 - CONTINUATION
111	\$350,000	NATIONAL SCIENCE FOUNDATION	Sepulveda Alancastro, Nelson	ELECTRICAL AND COMPUTER ENGINEERING	RELIABLE, FLEXIBLE PATCH FOR MONITORING HEAD INJURIES IN HIGH-CONTACT SPORTS.
112	\$37,558	GENERAL MOTORS CORPORATION	Strangas, Elias	ELECTRICAL AND COMPUTER ENGINEERING	DIAGNOSIS OF ECCENTRICITY OF PERMANENT MAGNET AC MACHINES WITHOUT A DYNAMOMETER
113	\$225,000	NATIONAL SCIENCE FOUNDATION	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	S&AS: INT: COLLAB: GOAL-DRIVEN MARINE AUTONOMY WITH APPLICATION TO FISHERIES SCIENCE AND MANAGEMENT
114	\$72,231	US NAVAL RESEARCH LABORATORY	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	DEVELOPMENT OF A CONTROLLABLE SURFACE FOR BOUNDARY FLOW STUDIES
115	\$118,000	ELECTRIC POWER RESEARCH INSTITUTE	Udpa, Lalita	ELECTRICAL AND COMPUTER ENGINEERING	SIMULATION MODEL FOR EDDY CURRENT SC TUBE INSPECTION

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116	\$1,502,433	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Verboncoeur, John	ELECTRICAL AND COMPUTER ENGINEERING	MULTIPACTOR AND BREAKDOWN SUSCEPTIBILITY AND MITIGATION IN SPACE-BASED RF SYSTEMS
117	\$246,000	RAYTHEON COMPANY	Yoo, Sangmin	ELECTRICAL AND COMPUTER ENGINEERING	ULTRA-WIDEBAND PHASED ARRAY TRANSCEIVER IN SOI CMOS
118	\$150,000	GLOBAL ENERGY INTERCONNECTION RESEARCH INST NORTH AMERICA	Zhang, Mi	ELECTRICAL AND COMPUTER ENGINEERING	DEPTH-VISION-BASED INTELLIGENT RECONSTRUCTION AND RECOGNITION OF COMPLEX AND DYNAMIC FIELDWORK ENVIRONMENT
119	\$101,919	MICHIGAN UNIVERSITY OF	Caldwell, Theodore	ENGINEERING DEAN	MICHIGAN LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION
120	\$221,928	MICHIGAN UNIVERSITY OF	Back, Seungik	MECHANICAL ENGINEERING	IMAGE-BASED MULTI-SCALE FRAMEWORK OF THE CARDIOPULMONARY SYSTEM: LONGITUDINAL CALIBRATION AND ASSESSMENT OF THERAPIES IN PEDIATRIC PULMONARY HYPERTENSION
121	\$200,000	FORD MOTOR COMPANY	Engeda, Abraham	MECHANICAL ENGINEERING	DEVELOPMENT AND INVESTIGATION OF AN E-BOOSTER ASSISTED TURBOCHARGING
122	\$250,009	PARENT PROJECT FOR MUSCULAR DYSTROPHY RESEARCH INC	Grimm, Michele	MECHANICAL ENGINEERING	ASSESSMENT OF EFFICACY OF PASSIVE EXOSKELETONS WITH MOTOR ACTUATION ASSIST FOR PATIENTS WITH DUCHENNES MUSCULAR DYSTROPHY
123	\$185,698	FORD MOTOR COMPANY	Klausner, James	MECHANICAL ENGINEERING	COOLING FAN & SHROUD OPTIMIZATION
124	\$564,847	NATL INST OF HEALTH - NIH/PHS	Lee, Lik-Chuan	MECHANICAL ENGINEERING	ROLES OF ISCHEMIA AND MECHANICAL DYSSYNCHRONY IN OPTIMIZING CRT RESPONSES
125	\$200,000	FORD MOTOR COMPANY	Li, Zhaojian	MECHANICAL ENGINEERING	ADAPTIVE VEHICLE CONTROL THROUGH CLUSTERING BASED SYSTEM IDENTIFICATION AND MODEL PREDICATIVE CONTROL
126	\$401,352	AIR FORCE RESEARCH LABORATORY	Mejia-Alvarez, Ricardo	UNIVERSITY RESEARCH ORGANIZATION	UNDERSTANDING TRAUMATIC BRAIN INJURY MECHANISMS USING PROTON RADIOGRAPHY AND FLUID STRUCTURE INTERACTION
127	\$177,485	FORD MOTOR COMPANY	Modares, Hamidreza	MECHANICAL ENGINEERING	BEHAVIORAL PLASTICITY FOR AUTONOMOUS & CONNECTED VEHICLES
128	\$10,000	TOSHIBA AMERICA ENERGY SYSTEMS CORP	Mueller, Norbert	MECHANICAL ENGINEERING	LUDINGTON PUMPED STORAGE POWER PLANT MODEL
129	\$156,000	ARMY RESEARCH OFFICE U S	Naguib, Ahmed	MECHANICAL ENGINEERING	SUPPLEMENTAL FUNDING: MECHANISMS OF FORCE AND MOMENT GENERATION BY THE FLOW OVER OSCILLATING RECTANGULAR CYLINDERS

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130	\$45,360	CARNEGIE MELLON UNIVERSITY	Pence, Thomas	MECHANICAL ENGINEERING	NEW MATHEMATICAL MODELS FOR THE LARGE STRAIN SWELLING RESPONSE OF BIOLOGICAL TISSUES: APPLICATIONS TO EDEMA, INFLAMMATION AND PREGNANCY
131	\$200,000	FORD MOTOR COMPANY	Xiao, Xinran	MECHANICAL ENGINEERING	AN ORTHOTROPIC THERMO-MECHANICAL MODEL FOR BATTERY SEPARATORS
COLLEGE OF HUMAN MEDICINE					
132	\$226,793	NATL INST OF HEALTH - NIH/PHS	Miller, Shelagh	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	DEFINING THE ROLE OF THE PERIPHERAL BENZODIAZEPINE RECEPTOR/TRANSLOCATOR PROTEIN (TSPO) IN INFLAMMATORY AND STRESS RESPONSES IN MICROGLIAL CELLS BY COMPARATIVE ANALYSIS
133	\$25,188	UNIV OF KANSAS MEDICAL CENTER RESEARCH INST INC	Felton, Julia	CHM FLINT	REMEDIATION OF ELEVATED DELAY DISCOUNTING IN MID-LIFE INDIVIDUALS: A STAGE-II TRIAL
134	\$2,118,406	NATIONAL INSTITUTE ON MINORITY HEALTH AND HEALTH DISPARITIES	Furr-Holden, Debra	CHM FLINT	THE FLINT CENTER FOR HEALTH EQUITY SOLUTIONS
135	\$8,934	VENTUREWELL	Lucas, Todd	CHM FLINT	SPEEDING RESEARCH-TESTED INTERVENTIONS (SPRINT)
136	\$902,103	NATL INST OF HEALTH - NIH/PHS	Chen, Honglei	EPIDEMIOLOGY AND BIOSTATISTICS	PESTICIDES, OLFACTION, AND NEURODEGENERATION AMONG US FARMERS
137	\$135,202	NATL HEART LUNG BLOOD INST -NIH/PHS	Margerison, Claire	EPIDEMIOLOGY AND BIOSTATISTICS	PREGNANCY AND BEYOND: WINDOWS INTO DISPARITIES IN WOMEN'S CARDIOVASCULAR HEALTH
138	\$249,000	NATL INST OF HEALTH - NIH/PHS	Upton, Kristen	EPIDEMIOLOGY AND BIOSTATISTICS	INFLUENCE OF DIET, IRON STORES, AND TOXIC METALS ON UPTAKES AND EFFECTS ON UTERINE FIBROID RISK IN AFRICAN AMERICAN WOMEN
139	\$250,000	ST MARYS HOSPITAL GRAND RAPIDS	Dwyer, Jeffrey	CHM WEST MICHIGAN	MSU - ST. MARY'S TRANSLATIONAL HEALTH IN GRAND RAPIDS
140	\$674,190	HEALTH RESOURCES & SERVICES ADMIN -PHS	Lipscomb, Wanda	HUMAN MEDICINE DEAN	CENTERS OF EXCELLENCE.
141	\$5,229	EMD SERONO, INC.	Hrinczenko, Borys	CANCER CENTER	EMR 100070-001: A PHASE I, OPEN-LABEL, MULTIPLE-ASCENDING DOSE TRIAL TO INVESTIGATE THE SAFETY, TOLERABILITY, PHARMACOKINETICS, BIOLOGICAL AND CLINICAL ACTIVITY OF MSB0010718C IN SUBJECTS WITH METASTA
142	\$10,000	MICHIGAN SWIMMING INC	Millerick May, Melissa	MEDICINE	SWIMMING POOLS, TRICHLORAMINE, AND THE RESPIRATORY HEALTH OF SWIMMERS

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143	\$21,500	ASSOC OCCUPATIONAL & ENVIRONMENT CLINICS	Rosenman, Kenneth	MEDICINE	OEC EXPOSURE CODE SYSTEM UPDATES
144	\$230,858	ARMY US DEPT OF	Hardy, Jonathan	INSTITUTE FOR QUANTITATIVE HEALTH	A NOVEL SCREEN FOR BIOFILM INHIBITORS IN ANIMALS
145	\$159,675	NATIONAL INSTITUTE OF DENTAL & CRANIOFACIAL RESEARCH	Pyeon, Dohun	MICROBIOLOGY & MOLECULAR GENETICS CNS	IMMUNE DYSREGULATION BY HUMAN PAPILLOMAVIRUS DURING HEAD AND NECK CANCER PROGRESSION
146	\$229,592	NATL INST OF HEALTH - NIH/PHS	Yu, Kefei	MICROBIOLOGY & MOLECULAR GENETICS CNS	A NOVEL MOUSE MODEL TO STUDY DNA LIGASE 3 FUNCTION IN VIVO
147	\$123,288	EISAI INC.	Bozoki, Andrea	NEUROLOGY AND OPHTHALMOLOGY COM	A PLACEBO-CONTROLLED, DOUBLE-BLIND, PARALLEL-GROUP, BAYESIAN ADAPTIVE RANDOMIZATION DESIGN AND DOSE REGIMEN-FINDING STUDY TO EVALUATE SAFETY, TOLERABILITY AND EFFICACY OF BAN2401 IN SUBJECTS WITH EARL
148	\$321,625	NATL INST CHILD HEALTH & HUMAN DEV -NIH/PHS	Jeong, Jaewook	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	RISK FACTORS FOR EARLY PREGNANCY LOSS
149	\$15,864	FRED HUTCHINSON CANCER RESEARCH CENTER	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	AN AHEI DIETARY INTERVENTION TO REDUCE PAIN IN WOMEN WITH ENDOMETRIOSIS
150	\$636,707	NATL INST OF HEALTH - NIH/PHS	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	WHAT IS ENDOMETRIOSIS? DEEP PHENOTYPING TO ADVANCE DIAGNOSIS AND TREATMENT
151	\$249,000	NATL INST OF HEALTH - NIH/PHS	Schmidt, Jens	INSTITUTE FOR QUANTITATIVE HEALTH	MOLECULAR MECHANISMS OF TELOMERASE CATALYSIS AND ITS RECRUITMENT TO TELOMERES
152	\$783,895	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Strutz, Kelly	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MICHIGAN CARES (COLLABORATIVE ADDICTION RESOURCES AND EDUCATION SYSTEM) OPIOID CURRICULUM DEVELOPMENT
153	\$14,566	SPECTRUM HEALTH SYSTEMS OF GRAND RAPIDS	Strutz, Kelly	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	STRONG BEGINNINGS (HEALTHY START INITIATIVE - ELIMINATING RACIAL/ETHNIC DISPARITIES)
154	\$39,960	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Alavi, Zakia	PEDIATRICS AND HUMAN DEVELOPMENT	MICHIGAN CHILD COLLABORATIVE CARE-CONNECT (MC3-CONNECT)
155	\$170,187	NATL INST OF HEALTH - NIH/PHS	Chen, Bin	PEDIATRICS AND HUMAN DEVELOPMENT	INTEGRATING TRANSCRIPTOMIC, PROTEOMIC AND PHARMACOGENOMIC DATA TO INFORM INDIVIDUALIZED THERAPY IN CANCERS
156	\$20,000	SUPERIOR HEALTH FOUNDATION	English, Boyce	PEDIATRICS AND HUMAN DEVELOPMENT	PEDIATRIC AUTISM/BEHAVIORAL AND MENTAL HEALTH TELECONSULTATION PROGRAM

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157	\$6,250	CHILDRENS HOSPITAL OF PHILADELPHIA	Gera, Renuka	PEDIATRICS AND HUMAN DEVELOPMENT	WORKLOAD INTENSITY NIH NATIONAL CLINICAL TRIALS NETWORK (NCTN) GRANT (U10CA180886) SUCCESSOR TO NIH COG CHAIR GRANT (U10CA098543)
158	\$53,670	CYSTIC FIBROSIS FOUND	Hurwitz, Martin	PEDIATRICS AND HUMAN DEVELOPMENT	CYSTIC FIBROSIS FOUNDATION CC135
159	\$8,190	SOCIETY OF MICHIGAN NEONATOLOGISTS	Karna, Padmani	PEDIATRICS AND HUMAN DEVELOPMENT	BREAST MILK USE AND NEONATAL ABSTINENCE SYNDROME QUALITY IMPROVEMENT
160	\$9,138	BIOGEN INC	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	BIOGEN 997HA306 PUP A: AN OPEN-LABEL, MULTICENTER EVALUATION OF THE SAFETY AND EFFICACY OF RECOMBINANT COAGULATION FACTOR FVIII FC FUSION PROTEIN (RFVIII FC; BIIB031) IN THE PREVENTION AND TREATMENT OF
161	\$5,950	BIOVERATIV THERAPEUTICS INC	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	242HA101: A PHASE 1/2A, OPEN-LABEL, DOSE-ESCALATION STUDY TO DETERMINE THE SAFETY, TOLERABILITY, AND PHARMACOKINETICS OF A SINGLE INTRAVENOUS INJECTION OF RFVIII FC-VWF-XTEN (BIIB073) IN PREVIOUSLY TRE
162	\$220,001	CASCADE HEMOPHILIA CONSORTIUM	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	CASCADE HEMOPHILIA CONSORTIUM
163	\$15,000	UNIQUE BIOPHARMA B.V.	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	PHASE III, OPEN-LABEL, SINGLE-DOSE, MULTI-CENTER MULTINATIONAL TRIAL INVESTIGATING AN A SEROTYPE 5 ADENO-ASSOCIATED VIRAL VECTOR CONTAINING THE PADUA VARIANT OF A CODON-OPTIMIZED HUMAN FACTOR IX GENE
164	\$58,465	PITTSBURGH UNIVERSITY OF	Barman, Susan	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	MULTISENSORY CONTROL OF AUTONOMIC FUNCTION
165	\$486,441	NATL INST OF HEALTH - NIH/PHS	Kaminski, Norbert	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	CANNABINOIDS MODULATE IMMUNE CELL-PROVOKED ASTROCYTE FUNCTIONS TO SUPPRESS HIV-ASSOCIATED NEUROINFLAMMATORY RESPONSES
166	\$327,384	NATL INST OF HEALTH - NIH/PHS	Xiao, Hua	PHYSIOLOGY NATURAL SCIENCE	ROLE OF NCOA5 IN HEPATIC STEATOSIS AND HEPATOCARCINOGENESIS
167	\$125,813	NATL INST ON AGING -NIH/PHS	Zinn, Kurt	INSTITUTE FOR QUANTITATIVE HEALTH	NONHUMAN PRIMATE CNS ASSESSMENTS OF 18F-INSULIN AFTER INTRANASAL ADMINISTRATION
168	\$49,977	SUSAN G. KOMEN BREAST CANCER FOUNDATION	Smania, Mary	NURSING	PINK IMPACT: BREAST CARE AT MICHIGAN STATE UNIVERSITY
169	\$517,173	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	MICHIGAN MEDICAID HEALTH INFORMATION TECHNOLOGY (HIT) RESOURCE CENTER

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170	\$200,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	MICHIGAN COLLABORATIVE FOR CONTRACEPTIVE ACCESS
171	\$193,750	NATL INST OF HEALTH - NIH/PHS	Bernstein, Alison	TRANSLATIONAL NEUROSCIENCE	DIELDRIN EXPOSURE AND SYNNUCLEINOPATHY
172	\$224,096	DIGNITY HEALTH	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	NEUROFIBRILLARY TANGLE EVOLUTION IN MILD COGNITIVE IMPAIRMENT
173	\$490,486	NATL INST OF HEALTH - NIH/PHS	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	CENTRAL NORADRENERGIC MECHANISMS OF CEREBROVASCULAR PATHOLOGY IN ALZHEIMER'S DISEASE
174	\$19,181	VAN ANDEL RESEARCH INSTITUTE	Manfredsson, Fredric	TRANSLATIONAL NEUROSCIENCE	IMMUNOLOGICAL APPROACHES TO PRION DISEASE
175	\$36,577	NATL INST OF HEALTH - NIH/PHS	Miller, Kathryn	TRANSLATIONAL NEUROSCIENCE	STN DBS-MEDIATED BDNF SIGNALING AND NEUROPROTECTION IN THE CONTEXT OF PFF-SEEDED SYNNUCLEINOPATHY
176	\$229,483	MICHAEL J. FOX FOUNDATION	Sortwell, Caryl	TRANSLATIONAL NEUROSCIENCE	PFF-SEEDED SYNNUCLEINOPATHY: IMPACT ON STRIATAL DOPAMINE RELEASE, PROINFLAMMATORY CYTOKINES AND CONTRALATERAL EXCITOTOXICITY
177	\$106,047	MICHAEL J. FOX FOUNDATION	Sortwell, Caryl	TRANSLATIONAL NEUROSCIENCE	MODULATION OF ALPHA-SYNUCLEIN EXPRESSION VIA BETA 2-ADRENORECEPTOR AGONIST CLENBUTEROL IN THE PREFORMED FIBRIL SYNNUCLEINOPATHY MODEL (SUPPLEMENT)
178	\$50,537	MICHAEL J. FOX FOUNDATION	Sortwell, Caryl	TRANSLATIONAL NEUROSCIENCE	EXTERNAL VALIDATION OF PROTEOS ASYN PRE-FORMED FIBRILS
LYMAN BRIGGS COLLEGE					
179	\$94,917	NATL SECURITY AGENCY	Bell, Robert	LYMAN BRIGGS DEAN	THE SUMMER UNDERGRADUATE RESEARCH INSTITUTE IN EXPERIMENTAL MATHEMATICS (SURIEM)
COLLEGE OF NATURAL SCIENCE					
180	\$105,000	KEMIN INDUSTRIES INC	Della Penna, Dean	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	ENGINEERING MARIGOLD FOR SPECIFIC TOCOCHROMANOL ISOMERS
181	\$377,367	NATL INST OF HEALTH - NIH/PHS	Feig, Michael	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	MODELING AND DYNAMICS OF BIOMOLECULES ON CELLULAR SCALES
182	\$333,610	NATL INST OF HEALTH - NIH/PHS	He, Jin	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	EPIGENETIC MECHANISMS OF ASH1L IN TRANSCRIPTIONAL ACTIVATION
183	\$152,173	NATL INST OF HEALTH - NIH/PHS	Hu, Jian	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	STRUCTURAL AND MECHANISTIC CHARACTERIZATION OF THE ZIP METAL TRANSPORTERS

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184	\$320,860	NATL INST OF HEALTH - NIH/PHS	Kroos, Lee	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	INTRAMEMBRANE-CLEAVING METALLOPROTEASES OF BACILLUS SUBTILIS
185	\$127,593	BAYLOR COLLEGE OF MEDICINE	Mias, George	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	INTEGRATIVE PERSONALIZED OMICS PROFILING NEXT STEPS: DETECTION AND CLASSIFICATION OF DEVIATIONS FROM WELLNESS
186	\$277,508	NATL INST OF HEALTH - NIH/PHS	Parent, Kristin	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	SF6 AS A MODEL SYSTEM FOR UNDERSTANDING THE MECHANISMS OF VIRUS:HOST RECOGNITION
187	\$82,015	NATIONAL SCIENCE FOUNDATION	TerAvest, Michaela	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	CAREER: A NOVEL MICROBIAL ELECTROSYNTHESIS PLATFORM BUILT ON A MODEL ELECTRON TRANSFER PATHWAY
188	\$342,446	NATL INST OF HEALTH - NIH/PHS	Zacharewski, Timothy	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	AHR-DEPENDENT PKM2 REGULATION IN NAFLD PROGRESSION
189	\$28,824	BATTELLE COLUMBUS LABS	Blanchard, Gary	UNIVERSITY RESEARCH ORGANIZATION	FUNDAMENTAL UNDERSTANDING OF SEMI-FLUIDIC PHOSPHOMETALLIC COATINGS
190	\$155,000	ENERGY US DEPT OF	Hamann, Thomas	CHEMISTRY	MULTI-COMPONENT INVESTIGATION OF ELECTRON-TRANSFER PROCESSES FOR NEXT-GENERATION DYE SENSITIZED SOLAR CELLS
191	\$60,000	MICHIGAN UNIVERSITY OF	Hamann, Thomas	CHEMISTRY	MONOLITHICALLY INTEGRATED THIN-FILM/SILICON TANDEM PHOTOELECTRODES FOR HIGH EFFICIENCY AND STABLE PHOTOELECTROCHEMICAL WATER SPLITTING
192	\$108,968	MICHIGAN UNIVERSITY OF	Huang, Xuefei	CHEMISTRY	A NOVEL VACCINE STRATEGY TO TARGET BREAST CANCER BASED ON PROPRIETARY MUTANT BACTERIOPHAGE Q β -MUC1 CONJUGATE DESIGNED TO MAXIMIZE IMMUNOGENICITY WHILE MINIMIZING NON-SPECIFIC EFFECTS
193	\$373,492	NATL INST OF HEALTH - NIH/PHS	Proshlyakov, Denis	CHEMISTRY	CERAMIDE-MEDIATED MITOCHONDRIAL DAMAGE IN DIABETIC RETINOPATHY INVESTIGATED BY NOVEL MICROFLUIDIC O ₂ SENSING AND BIO-MIMETIC ELECTROCHEMISTRY
194	\$80,000	ARMY RESEARCH OFFICE U S	Swain, Greg	CHEMISTRY	SPECTROELECTROCHEMICAL STUDIES OF REDOX REACTIONS AND ELECTRIFIED INTERFACES AT CARBON ELECTRODES
195	\$69,220	CONAGEN INC	Walker, Kevin	CHEMISTRY	ELUCIDATING THE BIOSYNTHETIC PATHWAY OF PYRAZINES IN BACTERIA
196	\$110,000	PETROLEUM RESEARCH FUND	Wilson, Angela	CHEMISTRY	MECHANISTIC INSIGHTS AND RADICAL REACTION RATES IN THE OXIDATIVE COUPLING OF METHANE

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197	\$169,534	REATA PHARMACEUTICALS	Wilson, Angela	CHEMISTRY	MEDICINAL CHEMISTRY
198	\$75,399	NATIONAL SCIENCE FOUNDATION	Hirn, Matthew	COMPUTATIONAL MATH SCI AND ENGR CNS	CAREER: UNDERSTANDING INVARIANT CONVOLUTIONAL NEURAL NETWORKS THROUGH MANY PARTICLE PHYSICS
199	\$192,767	FORD MOTOR COMPANY	Xie, Yuying	COMPUTATIONAL MATH SCI AND ENGR EGR	MACHINE LEARNING FOR ORDER TO DELIVERY
200	\$165,000	USDA - NATIONAL RESEARCH INITIATIVE	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	DESIGNING SUSTAINABLE MIXED GRAIN-BIOENERGY CROPPING SYSTEMS FOR CURRENT AND FUTURE CLIMATES
201	\$120,834	NATIONAL SCIENCE FOUNDATION	Dorfman, Susannah	EARTH AND ENVIRONMENTAL SCIENCES	CSEDI COLLABORATIVE RESEARCH: CHEMISTRY AND DYNAMIC IMPLICATIONS OF HETEROGENEOUS FE AND SI IN THE DEEP LOWER MANTLE
202	\$23,145	NATIONAL SCIENCE FOUNDATION	Dorfman, Susannah	EARTH AND ENVIRONMENTAL SCIENCES	CAREER: EXPERIMENTAL CONSTRAINTS ON CARBON-IRON REDOX INTERACTION IN EARTH'S DEEP LOWER MANTLE
203	\$282,129	ALASKA UNIVERSITY OF	Freymueller, Jeffrey	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: THE MACKENZIE MOUNTAINS — DEFORMATION AND STRUCTURE OF ACTIVE INTRAPLATE OROGENESIS FROM PLATE BOUNDARY TO CRATON
204	\$15,027	NATIONAL SCIENCE FOUNDATION	Freymueller, Jeffrey	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: RAPID GEODETIC FIELD RESPONSE TO THE 2018 M7 ANCHORAGE EARTHQUAKE
205	\$105,994	MICHIGAN TECH RESEARCH INSTITUTE	Hyndman, David	EARTH AND ENVIRONMENTAL SCIENCES	QUANTIFYING HOW GLOBAL CHANGE AND LAND USE LEGACIES AFFECT ECOSYSTEM PROCESSES AT THE LAND WATER INTERFACE ACROSS THE GREAT LAKES BASIN
206	\$350,474	NATIONAL SCIENCE FOUNDATION	Rooney, Tyrone	EARTH AND ENVIRONMENTAL SCIENCES	ASSESSING THE RELATIONSHIP BETWEEN STRAIN LOCALIZATION AND MAGMATISM DURING RIFT EVOLUTION
207	\$179,426	NATIONAL SCIENCE FOUNDATION	Wei, Songqiao	EARTH AND ENVIRONMENTAL SCIENCES	IMAGING THE HYDROUS TONGA SLAB IN THE FASTEST AND COLDEST SUBDUCTION ZONE
208	\$18,600	NATIONAL SCIENCE FOUNDATION	Gallant, Jason	INTEGRATIVE BIOLOGY	COLLABORATIVE RESEARCH: ANALYSIS OF A RAPIDLY EVOLVING POTASSIUM CHANNEL IN AN ELECTRIC FISH
209	\$305,017	NATIONAL SCIENCE FOUNDATION	Holekamp, Kay	INTEGRATIVE BIOLOGY	IRES TRACK 1: BEHAVIORAL ECOLOGY AND CONSERVATION OF AFRICAN CARNIVORES
210	\$5,012	BLACK ROCK FOREST CONSORTIUM INC	Reid, Brendan	KELLOGG BIOLOGICAL STATION NAT. SCI.	USING ENVIRONMENTAL DNA TO QUANTIFY DISTRIBUTIONS, HABITAT ASSOCIATIONS, AND POTENTIAL DISPERSAL ROUTES FOR TURTLES IN THE BLACK ROCK FOREST REGION

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211	\$82,889	NATIONAL SCIENCE FOUNDATION	Kachkovskiy, Ilya	MATHEMATICS	CAREER: QUANTUM SYSTEMS WITH DETERMINISTIC DISORDER
212	\$299,179	NATIONAL SCIENCE FOUNDATION	Karunakaran, Shiv	PROGRAM IN MATHEMATICS EDUCATION	TRACKING THE LONGITUDINAL DEVELOPMENT OF STEM MAJORS' AUTONOMY AND AGENCY IN MATHEMATICAL PROOF AND PROVING
213	\$71,382	NATIONAL SCIENCE FOUNDATION	Wang, Zhenqi	MATHEMATICS	CAREER: NEW METHODS AND APPLICATIONS FOR SMOOTH RIGIDITY OF ALGEBRAIC ACTIONS
214	\$172,676	NATIONAL SCIENCE FOUNDATION	Shade, Ashley	MICROBIOLOGY & MOLECULAR GENETICS CNS	CAREER: THE CONSEQUENCES OF RARITY FOR SOIL MICROBIOME STABILITY IN STRUCTURE AND FUNCTION
215	\$750,000	US DEPT AGRICULTURE	Shade, Ashley	MICROBIOLOGY & MOLECULAR GENETICS CNS	INHERITANCE OF ABIOTIC STRESS TOLERANCE THROUGH SEED MICROBIOME MODIFICATION
216	\$5,516	BAY COUNTY	Walker, Edward	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING OF MOSQUITO POOLS FOR WEST NILE AND OTHER ARBOVIRUS INFECTIONS
217	\$334,680	NATL INST OF HEALTH - NIH/PHS	Atchison, William	NEUROSCIENCE PROGRAM	BRIDGE TO THE PHD IN NEUROSCIENCE
218	\$361,012	NATL INST OF HEALTH - NIH/PHS	Gulbransen, Brian	PHYSIOLOGY NATURAL SCIENCE	ROLE OF ENTERIC GLIA IN THE DEATH OF NEURONS DURING GUT INFLAMMATION
219	\$329,418	NATL INST OF HEALTH - NIH/PHS	Jordan, Cynthia	NEUROSCIENCE PROGRAM	ANDROGEN TARGETS IN A SIMPLE BEHAVIORAL SYSTEM
220	\$46,727	VIRGINIA COMMONWEALTH UNIVERSITY	Reimers, Mark	NEUROSCIENCE PROGRAM	THE NATURE OF MOLECULAR RISK VARIANTS FOR PSYCHIATRIC AND PSYCHOLOGICAL PHENOTYPES: COHERENCE, EMERGENCE AND LEVELS OF EXPLANATION
221	\$136,917	MICHIGAN UNIVERSITY OF	Brock, Raymond	PHYSICS-ASTRONOMY	ATLAS GREAT LAKES TIER 2 CENTER
222	\$357,992	STONY BROOK UNIVERSITY	Brock, Raymond	PHYSICS-ASTRONOMY	DISCOVERY/MEASUREMENT AT THE ENERGY FRONTIER
223	\$198,195	FERMI NATL ACCELERATOR LAB	Bromberg, Carl	PHYSICS-ASTRONOMY	DUNE FAR DETECTOR COLD ELECTRONICS (WBS-TBD)
224	\$42,641	NATL AERONAUTICS AND SPACE ADM	Chomiuk, Laura	PHYSICS-ASTRONOMY	UNDERSTANDING THE GAMMA-RAY PRODUCTION MECHANISM IN NOVA SHOCKS
225	\$698,303	NATIONAL SCIENCE FOUNDATION	Comstock, Matthew	PHYSICS-ASTRONOMY	INVESTIGATION OF RNA-PROCESSING PROTEIN INTERACTIONS AND DYNAMICS WITH SIMULTANEOUS HIGH-RESOLUTION TWEEZERS AND FLUORESCENCE
226	\$204,001	THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK (SUNY)	Fisher, Wade	PHYSICS-ASTRONOMY	U.S. ATLAS PHASE-1 UPGRADES

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227	\$338,579	NATL INST OF HEALTH - NIH/PHS	Piermarocchi, Carlo	PHYSICS-ASTRONOMY	DATA-DRIVEN MODELS OF HEMATOLOGICAL CELL FATE DECISION AND DIFFERENTIATION
228	\$100,000	EEROQ INC	Pollanen, Johannes	PHYSICS-ASTRONOMY	ON-CHIP CHARGE SENSOR FOR SINGLE ELECTRON DETECTION
229	\$195,903	ENERGY US DEPT OF	Tessmer, Stuart	PHYSICS-ASTRONOMY	IMAGING THE ELECTRONIC STRUCTURE OF TOPOLOGICAL-SUPERCONDUCTOR PROXIMITY SYSTEMS
230	\$63,746	NATL INST OF HEALTH - NIH/PHS	Hammer, Sandra	PHYSIOLOGY NATURAL SCIENCE	THE ROLE OF THE SIRT1-LXR SIGNALING AXIS IN DIABETES-INDUCED CHOLESTEROL METABOLISM DYSREGULATION
231	\$480,510	NATL INST OF HEALTH - NIH/PHS	Wang, Hongbing	PHYSIOLOGY NATURAL SCIENCE	NONCONVENTIONAL ROLE OF ADCY IN GQ-MEDIATED NEURONAL SIGNALING AND NEUROPLASTICITY
232	\$43,227	NATIONAL SCIENCE FOUNDATION	Brudvig, Lars	PLANT BIOLOGY CNS	UNDERSTANDING THE STRENGTH AND DURATION OF CONNECTIVITY EFFECTS ON COMMUNITY DIVERSITY
233	\$7,600	NATIONAL SCIENCE FOUNDATION	Brudvig, Lars	PLANT BIOLOGY CNS	RESOLVING DRIVERS OF VARIATION IN GRASSLAND COMMUNITY ASSEMBLY AND RESTORATION
234	\$3,300,000	ENERGY US DEPT OF	Benning, Christoph	PLANT RESEARCH LABORATORY NAT SCIENCE	PHOTOSYNTHETIC ENERGY CAPTURE, CONVERSION AND STORAGE: FROM FUNDAMENTAL MECHANISMS TO MODULAR ENGINEERING
235	\$319,138	NATL INST OF HEALTH - NIH/PHS	Brandizzi, Federica	PLANT RESEARCH LABORATORY NAT SCIENCE	UNFOLDED PROTEIN RESPONSE IN THE MODEL SPECIES ARABIDOPSIS THALIANA
236	\$108,500	NATIONAL SCIENCE FOUNDATION	Ducat, Daniel	PLANT RESEARCH LABORATORY NAT SCIENCE	CAREER: ILLUMINATING EMERGENT MICROBIAL INTERACTIONS VIA MODULAR SYNTHETIC CONSORTIA
237	\$193,750	NATL INST OF HEALTH - NIH/PHS	Cui, Yuehua	STATISTICS & PROBABILITY	NOVEL METHODS FOR LONGITUDINAL STUDY OF SYNERGISTIC GENE-ENVIRONMENT INTERACTIONS IN COMPLEX DISEASES
238	\$196,441	NATIONAL SCIENCE FOUNDATION	Xiao, Yimin	STATISTICS & PROBABILITY	COLLABORATIVE RESEARCH: ASYMPTOTIC GEOMETRY AND ANALYSIS OF STOCHASTIC PARTIAL DIFFERENTIAL EQUATIONS
COLLEGE OF OSTEOPATHIC MEDICINE					
239	\$431,676	NATL INST OF HEALTH - NIH/PHS	Kuo, Min	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	HYPERPHOSPHORYLATED TAU AGGREGATION-BASED ALZHEIMER'S DISEASE EARLY DRUG DISCOVERY
240	\$50,948	PITTSBURGH UNIVERSITY OF	Waters, Christopher	MICROBIOLOGY & MOLECULAR GENETICS CNS	MOLECULAR MECHANISMS OF ADAPTIVE DIVERSITY IN BURKHOLDERIA BIOFILMS

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241	\$7,445	IMPAX LABORATORIES LLC	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A RANDOMIZED CONTROLLED STUDY TO COMPARE THE SAFETY AND EFFICACY OF IPX203 WITH IMMEDIATE -RELEASE CARBIDOPA-LEVODOPA IN PARKINSON'S DISEASE PATIENTS WITH MOTOR FLUCTUATIONS
242	\$12,282	NORTHWESTERN UNIVERSITY	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
243	\$5,315	PHARMA TWO B LTD	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, TWELVE-WEEK, MULTI-CENTER, MULTINATIONAL, RANDOMIZED, DOUBLE-BLIND, DOUBLE-DUMMY, PARALLEL GROUP STUDY TO DETERMINE THE EFFICACY, SAFETY AND TOLERABILITY OF P2B001 ONCE DAILY COMPARED TO IT
244	\$22,782	SUNOVION PHARMACEUTICALS	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	AN OPEN-LABEL, PHASE 3 STUDY EXAMINING THE LONG-TERM SAFETY, TOLERABILITY AND EFFICACY OF APL-130277 IN LEVODOPA RESPONSIVE PATIENTS WITH PARKINSON'S DISEASE COMPLICATED BY MOTOR FLUCTUATIONS ("OFF" E
245	\$11,576	CATALYST PHARMACEUTICALS INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A RANDOMIZED, PLACEBO-CONTROLLED, PARALLEL GROUP STUDY TO EVALUATE THE EFFECT OF AMIFAMPRIDINE PHOSPHATE IN PTS W/ MUSK ANTIBODY POSITIVE MYASTHENIA GRAVIS, AND A SAMPLE OF ACHR ANTIBODY POSITIVE MG
246	\$25,000	MUSCULAR DYSTROPHY ASSOC INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	MSU DEPARTMENT OF NEUROLOGY MDA CARE CENTER
247	\$7,193	BIOGEN INC	Ward, Jayne	NEUROLOGY AND OPHTHALMOLOGY COM	A RANDOMIZED, CONTROLLED, OPEN-LABEL, RATER-BLINDED, PHASE 3B STUDY OF THE EFFICACY, SAFETY, AND TOLERABILITY OF 6-WEEK EXTENDED INTERVAL DOSING OF NATALIZUMAB (BG00002) IN SUBJECTS WITH RELAPSING-REM
248	\$8,307	SK LIFE SCIENCE INC	Yassin-Kassab, Mounzer	NEUROLOGY AND OPHTHALMOLOGY COM	A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTICENTER STUDY TO EVALUATE THE EFFICACY AND SAFETY OF CENOBAMATE ADJUNCTIVE THERAPY IN SUBJECTS WITH PRIMARY GENERALIZED TONIC-CLONIC SEIZURES/ YKP30

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249	\$170,629	NATL INST OF HEALTH - NIH/PHS	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	IDENTIFYING HIGH RISK MALARIA INFECTIONS USING IMPROVED ESTIMATES OF TOTAL BODY PARASITE LOAD AND NEW METRICS FOR INFECTION DYNAMICS
250	\$1,165,720	NATL INST OF ALLERGY & INFEC DIS -NIH	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	THE INTRANSIGENCE OF MALARIA IN MALAWI: UNDERSTANDING HIDDEN RESERVOIRS, SUCCESSFUL VECTORS AND PREVENTION FAILURES
251	\$75,101	VISIONQUEST BIOMEDICAL LLC	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	MALARIAL RETINOPATHY SCREENING SYSTEM FOR IMPROVED DIAGNOSIS OF CEREBRAL MALARIA
252	\$7,547	SPECTRUM HEALTH SYSTEMS OF GRAND RAPIDS	Dexheimer, Thomas	PHARMACOLOGY TOXICOLOGY	PHARMACOLOGICAL PROFILING OF PATIENT-DERIVED NEUROBLASTOMA CELLS
253	\$1,368,810	NATL HEART LUNG BLOOD INST -NIH/PHS	Fink, Gregory	PHARMACOLOGY TOXICOLOGY	NEUROHUMORAL CONTROL OF ARTERIES AND VEINS IN OBESITY-ASSOCIATED HYPERTENSION
254	\$14,603	FIBROSIX LLC	Krieger-Burke, Teresa	PHARMACOLOGY TOXICOLOGY	RADIATION-INDUCED PULMONARY FIBROSIS PILOT STUDY IN MICE
255	\$112,630	MICHIGAN UNIVERSITY OF	Liby, Karen	PHARMACOLOGY TOXICOLOGY	NOVEL REXINOIDS (RETINOID X RECEPTOR (RXR) AGONISTS) FOR ONCOLOGY
256	\$80,577	NATL INST DIABETES DIGESTIVE & KIDNEY DISEASES	Tyckocki, Nathan	PHARMACOLOGY TOXICOLOGY	BLADDER BLOOD FLOW AND VASCULAR CONTRACTILITY REGULATE BLADDER FUNCTION
257	\$715,872	NATL INST CHILD HEALTH & HUMAN DEV -NIH/PHS	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	CULTURE-SPECIFIC NEURODEVELOPMENTAL ASSESSMENT OF HIV-AFFECTED CHILDREN
258	\$35,969	ARIZONA UNIVERSITY OF	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	POST-CHEMOTHERAPY SYMPTOM MANAGEMENT: TESTING INTERVENTION SEQUENCES IN A SMART DESIGN
259	\$16,319	GRAND VALLEY STATE UNIVERSITY	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	STATEWIDE IMPLEMENTATION OF CAPABLE-COMMUNITY AGING IN PLACE, ADVANCING BETTER LIVING FOR ELDERLY IN THE MICHIGAN MEDICAID HOME AND COMMUNITY BASED WAIVER PROGRAM.
260	\$24,434	MICHIGAN UNIVERSITY OF	Shapiro, Erik	RADIOLOGY OSTEOPATHIC MEDICINE	MTRAC FOR LIFE SCIENCE INNOVATION HUB (YEAR 2)
COLLEGE OF SOCIAL SCIENCE					
261	\$86,433	POLICE FOUNDATION DBA THE NATIONAL POLICE FOUNDATION	Rojek, Jeffrey	CNTR ANTI COUNTERFEIT AND PROD PROTECT	VALOR OFFICER SAFETY INITIATIVE-NATIONAL COORDINATING TEAM
262	\$201,983	WAYNE COUNTY PROSECUTOR'S OFFICE	McGarrell, Edmund	UNIVERSITY RESEARCH ORGANIZATION	THE DETROIT NON-FATAL SHOOTING GRAND JURY PROJECT

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263	\$116,092	DETROIT RESCUE MISSION MINISTRIES	Morash, Merry	CRIMINAL JUSTICE	GETTING IT RIGHT
264	\$6,435	USDA - NATURAL RESOURCES CONSERVATION SERVICE	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	INTRODUCTION TO DIGITAL REMOTE SENSING
265	\$6,435	USDA - NATURAL RESOURCES CONSERVATION SERVICE	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	INTRODUCTION TO IMAGE INTERPRETATION ONLINE COURSE
266	\$20,853	IDAHO UNIVERSITY OF	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	USING THE NASA POLAR ORBITING FIRE PRODUCT RECORD TO ENHANCE AND EXPAND THE GLOBAL WILDFIRE INFORMATION SYSTEM (GWIS)
267	\$230,662	US GEOLOGICAL SURVEY	Roy, David	UNIVERSITY RESEARCH ORGANIZATION	PATHFINDING NEAR REAL TIME MODERATE RESOLUTION LAND SURFACE MONITORING, LOOKING FORWARD TO AN OPERATIONAL LANDSAT 9/10 SENTINEL 2A/2B ERA
268	\$247,629	KANSAS STATE UNIVERSITY	Snapp, Sieglinde	PLANT SOIL AND MICROBIAL SCIENCES	'RAISING CROP RESPONSE: BIDIRECTIONAL LEARNING TO CATALYZE SUSTAINABLE INTENSIFICATION AT MULTIPLE SCALES'
269	\$27,495	CORP FOR DIGITAL SCHOLARSHIP	Leon, Sharon	HISTORY	OMEKA MANAGEMENT
270	\$395,000	MELLON THE ANDREW W. FOUNDATION	Monson, Jamie	AFRICAN STUDIES CENTER	INTERNATIONAL HIGHER ED STRATEGIC PROJECTS/COLLABORATION WITH US UNIVERSITIES PROGRAM
271	\$50,000	AMER COUNCIL OF LEARNED SOC	Wu, Yulian	HISTORY	CRAFTING JADE: THE CONSTRUCTION OF OBJECTS AND EMPIRE IN EIGHTEENTH-CENTURY CHINA
272	\$7,665	INGHAM INTERMED SCHOOL DISTRICT	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	INGHAM GREAT START READINESS PROGRAM
273	\$40,000	MICH PUBLIC HEALTH INSTITUTE	McCauley, Heather	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	MICHIGAN CRIME VICTIM NEEDS ASSESSMENT
274	\$118,318	CRIM FITNESS FOUNDATION	Acevedo, Ignacio	PSYCHOLOGY SOCIAL SCIENCE	FLINT COMMUNITY EDUCATION EVALUATION 2019
275	\$318,115	AGENCY FOR HEALTHCARE RSCH & QUAL -PHS	Becker, Mark	PSYCHOLOGY SOCIAL SCIENCE	OPTIMIZING OTC LABELS FOR OLDER ADULTS: EMPIRICAL EVALUATION OF LABELS DESIGNED TO PROVIDE OLDER USERS THE INFORMATION THEY NEED TO MINIMIZE ADVERSE DRUG EVENTS
276	\$20,400	NEW MEXICO UNIVERSITY OF	Bybee, Deborah	PSYCHOLOGY SOCIAL SCIENCE	ADDRESSING SOCIAL DETERMINANTS TO REDUCE REFUGEE MENTAL HEALTH DISPARITIES

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277	\$70,132	NATIONAL SCIENCE FOUNDATION	Cesario, Joseph	PSYCHOLOGY SOCIAL SCIENCE	UNDERSTANDING RACE BIAS IN THE DECISION TO SHOOT WITH AN INTEGRATED MODEL OF DECISION MAKING.
278	\$200,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Foster-Fishman, Pennie	PSYCHOLOGY SOCIAL SCIENCE	HOMELESS RESPONSE SYSTEM IMPROVEMENT EVALUATION
279	\$716,314	NATL INST OF HEALTH - NIH/PHS	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	A TWIN STUDY OF EXOGENOUS HORMONE EXPOSURE AND RISK FOR BINGE EATING
280	\$24,000	NATL AERONAUTICS AND SPACE ADM	Kozlowski, Steve	PSYCHOLOGY SOCIAL SCIENCE	TEAM COHESION: MONITORING BADGE: DEVELOPMENT OF GALVANIC SKIN RESISTANCE MODALITY
281	\$70,667	NATL INST OF HEALTH - NIH/PHS	Lonstein, Joseph	PSYCHOLOGY SOCIAL SCIENCE	PREPARTUM AND POSTPARTUM MODIFICATION OF CENTRAL SEROTONIN
282	\$169,947	INGHAM COUNTY	Sullivan, Cris	PSYCHOLOGY SOCIAL SCIENCE	INGHAM COUNTY ADOLESCENT DIVERSION PROJECT
283	\$30,000	MICH PUBLIC HEALTH INSTITUTE	Sullivan, Cris	PSYCHOLOGY SOCIAL SCIENCE	MICHIGAN VICTIM ADVOCACY NETWORK - (FEDERAL COMPETITIVE FUNDS_
284	\$193,427	NATL INST OF HEALTH - NIH/PHS	Thakkar, Katharine	PSYCHOLOGY SOCIAL SCIENCE	UNCOVERING PATHOPHYSIOLOGICAL MECHANISMS OF PSYCHOSIS USING THE OCULOMOTOR SYSTEM.
285	\$19,495	VIRGINIA COMMONWEALTH UNIVERSITY	Verhulst, Bradley	PSYCHOLOGY SOCIAL SCIENCE	PSYCHOMETRIC AND GENETIC ASSESSMENTS OF SUBSTANCE USE
286	\$184,676	MICHIGAN DEPARTMENT OF TRANSPORTATION	Kassens Noor, Eva	UNIVERSITY RESEARCH ORGANIZATION	US-23 PERFORMANCE AND SAFETY ASSESSMENT
287	\$110,000	MICHIGAN DEPARTMENT OF TRANSPORTATION	Kassens Noor, Eva	SCHOOL OF PLANNING DES CONSTRUCTION CSS	INTERCITY BUS AND PASSENGER RAIL USER SURVEY
288	\$427,658	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brock, Michele	SOCIAL WORK	KINSHIP NAVIGATOR
289	\$52,734	UNIVERSITY OF TEXAS AT AUSTIN	Liu, Hui	SOCIOLOGY SOCIAL SCIENCE	BLACK-WHITE DIFFERENCES IN LIFE COURSE EXPOSURE TO DEATH: CONSEQUENCES FOR HEALTH
ASC PROVOST FOR UNDERGRADUATE EDUCATION					
290	\$49,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Bellamy, Pamela	ADMIN SUPPORT MLK INITIATIVE	YEAR 7 MICHIGAN GEAR UP/COLLEGE DAY PROGRAM
COLLEGE OF VETERINARY MEDICINE					
291	\$225,229	NATL INST OF HEALTH - NIH/PHS	Moeser, Adam	LARGE ANIMAL CLINICAL SCIENCES	ORIGINS OF SEX DIFFERENCES IN MAST CELL ASSOCIATED IMMUNE DISEASES
292	\$64,836	GRAYSON-JOCKEY CLUB RESEARCH FDN INC	Hussey, Gisela	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	HOST FACTORS INVOLVED IN EHM PATHOGENESIS AND LATENCY

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	Amount	Donor	Director	Unit	Purpose
293	\$638,082	NATL INST OF HEALTH - NIH/PHS	Komaromy, Andras	SMALL ANIMAL CLINICAL SCIENCES	THERAPY DEVELOPMENT FOR OPEN-ANGLE GLAUCOMAS
294	\$311,880	CALIFORNIA UNIVERSITY OF - IRVINE	Petersen-Jones, Simon	SMALL ANIMAL CLINICAL SCIENCES	USE OF SYSTEMS PHARMACOLOGY TO PREVENT ROD AND CONE PHOTORECEPTOR DEGENERATION
295	\$1,783,428	NATL INST OF HEALTH - NIH/PHS	Petersen-Jones, Simon	SMALL ANIMAL CLINICAL SCIENCES	TRANSLATIONAL GENE THERAPY FOR CNGB1 RETINITIS PIGMENTOSA
296	\$204,398	BERNER GARDE FOUNDATION	Yuzbasiyan-Gurkan, Vilma	SMALL ANIMAL CLINICAL SCIENCES	BERNESE MOUNTAIN DOG DNA AND TISSUE REPOSITORY AT MSU
297	\$124,800	NATL INST OF HEALTH - NIH/PHS	Yuzbasiyan-Gurkan, Vilma	VETERINARY MEDICINE DEAN	SHORT-TERM BIOMEDICAL RESEARCH TRAINING PROGRAM FOR VETERINARY STUDENTS
298	\$50,005	MI STATE OF	Mejia Abreu, Hilda	VETERINARY MEDICINE DEAN	DEVELOPING MICHIGAN'S PIPELINE TO VETERINARY MEDICAL EDUCATION
INFORMATION TECHNOLOGY SERVICES					
299	\$10,000	FRED ROGERS PRODUCTIONS	Elkins, Susi	BROADCASTING SERVICES	DANIEL TIGER'S NEIGHBORHOOD "BE MY NEIGHBOR" GRANT APPLICATION
FACILITY FOR RARE ISOTOPE BEAMS					
300	\$13,370,763	ENERGY US DEPT OF	Glasmacher, Thomas	FACILITY FOR RARE ISOTOPE BEAMS	FACILITY FOR RARE ISOTOPE BEAMS (FRIB)
301	\$105,000	ENERGY US DEPT OF	Lee, Dean	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR THEORY FROM FIRST PRINCIPLES TO FOREFRONT EXPERIMENTS
302	\$73,015	ARGONNE NATIONAL LABORATORY	Maciel Nunes, Filomena	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NATIONAL FRIB THEORY FELLOW AT ARGONNE NATIONAL LABORATORY
303	\$38,000	BROOKHAVEN NATL LABORATORY	Pratt, Scott	NAT'L SUPERCONDUCTING CYCLOTRON LAB	BEAM ENERGY SCAN THEORY COLLABORATION (BEST COLLABORATION)
304	\$107,000	ENERGY US DEPT OF	Pratt, Scott	NAT'L SUPERCONDUCTING CYCLOTRON LAB	DETERMINING PROPERTIES OF MATTER CREATED AT RHIC
305	\$2,000,000	ENERGY US DEPT OF	Schatz, Hendrik	NAT'L SUPERCONDUCTING CYCLOTRON LAB	A NEXT GENERATION RECOIL SEPARATOR FOR NUCLEAR ASTROPHYSICS SECAR (SEPARATOR FOR CAPTURE REACTIONS)
PROVOST AND ACADEMIC AFFAIRS					
306	\$20,631	KAISER PERMANENTE	Kasten, Eric	CLINICAL AND TRANSLATIONAL SCIENCES	PRENATAL SSRI EXPOSURE, MATERNAL AND CHILD GENOTYPE, AND AUTISM SPECTRUM DISORDERS

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ASC PROV FOR UNIV OUTREACH & ENGAGEMENT					
307	\$9,576	LIQUID WEB LLC	Swierenga, Sarah	USABILITY/ACCESSIBILITY RSCH CONSULTING	UX CONSULTING PROJECT
INTERNATIONAL STUDIES AND PROGRAMS					
308	\$30,000	INST OF INTERNATL EDUCATION	Effiong, Chinwe	INTERNATIONAL STUDIES AND PROGRAMS DEAN	SPONSORSHIP FOR THE GLOBAL YOUTH ADVANCEMENT SUMMIT 2019
309	\$245,620	AGENCY FOR INTERNATL DEVELOPMENT	Richter, Kurt	INTERNATIONAL STUDIES AND PROGRAMS DEAN	MALAWI UNIVERSITY OF SCIENCE AND TECHNOLOGY INNOVATION SCHOLARS PROGRAM (MUST ISP)
MSU AGBIORESEARCH					
310	\$24,000	US DEPT AGRICULTURE	Ernst, Catherine	GENETICS PROGRAM	CROSS -DISCIPLINARY TRAINING TO IMPROVE FOOD SECURITY IN A CHANGING ENVIRONMENT - INTEGRATING GENETICS, COMPUTATIONAL ANALYSIS, AND POLICY CONSIDERATIONS
311	\$321,625	NATL INST OF HEALTH - NIH/PHS	Knott, Jason	ANIMAL SCIENCE DEPARTMENT MABR	MECHANISMS OF TROPHOBLAST LINEAGE FORMATION: IMPACT ON POSTIMPLANTATION PLACENTAL DEVELOPMENT
312	\$344,790	NATL INST OF HEALTH - NIH/PHS	Veiga-Lopez, Almudena	ANIMAL SCIENCE DEPARTMENT ANR	PLACENTAL ADAPTIVE MECHANISMS TO ENVIRONMENTAL EXPOSURES.
313	\$241,996	GEORGIA UNIVERSITY OF	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	FURTHERING THE DEVELOPMENT AND IMPLEMENTATION OF SYSTEMS-BASED ORGANIC MANAGEMENT STRATEGIES FOR SPOTTED WING DROSOPHILA
314	\$99,303	MICHIGAN BLUEBERRY COMMISSION	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DEVELOPING TACTICS FOR STEM GALL WASP CONTROL IN MICHIGAN BLUEBERRIES
315	\$19,979	MICHIGAN BLUEBERRY COMMISSION	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	IMPROVING POLLINATION OF MICHIGAN BLUEBERRIES
316	\$19,907	MICHIGAN BLUEBERRY COMMISSION	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DEVELOPING NEW CONTROL PROGRAMS FOR SWD IN MICHIGAN BLUEBERRIES
317	\$48,554	USDA - FOREIGN AG SER	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MYANMAR - POST-HARVEST PEST MANAGEMENT AND REGULATIONS
318	\$89,210	BEE INFORMED PARTNERSHIP INC	Milbrath, Meghan	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MICHIGAN STATE UNIVERSITY/MICHIGAN TECHNICAL TRANSFER TEAM TO MONITOR COLONY HEALTH

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319	\$50,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Milbrath, Meghan	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MICHIGAN MANAGED POLLINATOR PROTECTION PLAN
320	\$11,250	INTL MAIZE & WHEAT IMPROVEMENT CENTER	Pittendrigh, Barry	ENTOMOLOGY AGRICULTURE AND NATURAL RES	FALL ARMYWORM SCOUTING ANIMATION
321	\$14,300	LIDOCHEM INC	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING OF NEMATOCIDES IN SOYBEANS
322	\$15,200	MICH SOYBEAN PROMOTION COMMITTEE	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MANAGEMENT OF SOYBEAN CYST NEMATODE THROUGH ROTATION OF SOYBEAN CYST NEMATODE RESISTANT VARIETIES AND OTHER MANAGEMENT PRACTICES
323	\$7,950	MICH SOYBEAN PROMOTION COMMITTEE	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EVALUATION OF THE EFFECTIVENESS OF SOYBEAN SEED TREATMENTS NEMASTRIKE, ILEVO, AND BIOS T NEMATICIDE 100 TO PROTECT SOYBEAN YIELDS IN SOYBEAN CYST NEMATODE INFESTED FIELDS
324	\$5,200	MICH SOYBEAN PROMOTION COMMITTEE	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MANAGEMENT OF SOYBEAN CYST NEMATODE THROUGH THE USE OF COMPOST AND SCN RESISTANT SOYBEAN VARIETIES
325	\$14,000	MICH SUGARBEET ADVANCEMENT	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	GREENHOUSE AND FIELD EVALUATIONS TO DETERMINE THE POTENTIAL PRESENCE OF SCN/BCN HYBRID NEMATODES IN MICHIGAN SOILS
326	\$14,000	MICH SUGARBEET ADVANCEMENT	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SURVEY TO DETERMINE THE PRESENCE AND DISTRIBUTION OF SUGAR BEET CYST NEMATODES AND ALL OTHER PLANT PARASITIC NEMATODES IN SUGAR BEET PRODUCTION
327	\$20,160	MONSANTO COMPANY	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SUGAR BEET/GREENHOUSE: EVALUATION OF SEED TREATMENTS FOR NEMATODE MANAGEMENT
328	\$13,200	MCLAUGHLIN GORMLEY KING CO	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING MGK INSECTICIDES FOR FRUIT IPM
329	\$33,000	RUTGERS UNIVERSITY	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DEVELOPMENT AND UTILIZATION OF SUFFICIENT RESIDUE DATA TO SATISFY INTERNATIONAL DATA REQUIREMENTS FOR ESTABLISHMENT OF APPROPRIATE MAXIMUM RESIDUE LEVELS (MRLS)
330	\$33,264	SYNGENTA CROP PROTECTION INC	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING EVALUATION AGREEMENT

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331	\$172,307	MICHIGAN DEPARTMENT 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 FY2018.
332	\$46,052	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Bremigan, Mary	FISHERIES AND WILDLIFE	PERM: DEVELOPING DECISION TOOLS FOR INLAND LAKE MANAGEMENT THROUGH FIELD SAMPLING AND STATISTICAL MODELS LINKING LAKES TO LANDSCAPE CONTEXT. DR. MARY BREMIGAN PERM AGREEMENT FOR FY 2018.
333	\$22,968	GREAT LAKES FISHERIES COMMISSION	Jones, Michael	FISHERIES AND WILDLIFE	GLFC SUPPORT FOR QFC
334	\$20,364	GREAT LAKES FISHERIES COMMISSION	Jones, Michael	FISHERIES AND WILDLIFE	INCORPORATION OF EXPERT JUDGMENT IN AN OPERATING MODEL OF THE CONTROL PROGRAM TO EVALUATE TRADE-OFFS FOR SEA LAMPREY MANAGEMENT
335	\$157,085	GREAT LAKES FISHERIES COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	JOHN HUME PERM AGREEMENT JANUARY 2019 - DECEMBER 2021.
336	\$46,784	GREAT LAKES FISHERIES COMMISSION	Robinson, John	FISHERIES AND WILDLIFE	ENVIRONMENTAL, BIOTIC, AND SAMPLING EFFECTS ON GENETIC ESTIMATES OF ADULT SEA LAMPREY ABUNDANCE IN GREAT LAKES TRIBUTARIES
337	\$137,000	NATL COUNCIL FOR AIR & STREAM IMPROVEMENT	Roloff, Gary	FISHERIES AND WILDLIFE	MANIPULATING THE PATTERN OF RETAINED STRUCTURES IN CLEARCUTS OF PACIFIC NORTHWEST TO IMPROVE WILDLIFE VALUE
338	\$9,278	SAULT STE MARIE TRIBE OF CHIPPEWA INDIAN	Roloff, Gary	FISHERIES AND WILDLIFE	HABITAT RELATIONSHIPS OF AMERICAN MARTEN IN THE EASTERN UPPER PENINSULA
339	\$60,942	GREAT LAKES FISHERIES COMMISSION	Wagner, Michael	FISHERIES AND WILDLIFE	ESTIMATION OF TRANSFORMER OUT-MIGRATION MORTALITY WITH ACOUSTIC MICRO-TRANSMITTERS
340	\$247,436	IOWA STATE UNIVERSITY	Randall, Jesse	FORESTRY	MOVING PRODUCTION OF MAPLE SYRUP
341	\$299,788	US DEPT AGRICULTURE	Rothstein, David	FORESTRY	TRAINING A NEW GENERATION OF FORESTRY PROFESSIONALS: A 3+2 PARTNERSHIP BETWEEN MEDGAR EVERS COLLEGE AND MICHIGAN STATE UNIVERSITY
342	\$21,932	MICHIGAN TREE FRUIT COMMISSION	Hollender, Courtney	HORTICULTURE ANR	HIGH-DENSITY APPLE VARIETY REFERENCE COLLECTION
343	\$17,500	FINE AMERICAS INC	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF FLORICULTURE RESEARCH PROGRAM
344	\$13,500	FERNLEA FLOWERS LTD	Runkle, Erik	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT FLORICULTURE RESEARCH

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345	\$142,179	DUKE UNIVERSITY	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT. SCI.	MANAGING METAPOPOPULATIONS OF THREATENED SPECIES ACROSS JURISDICTIONAL BOUNDARIES: QUANTIFYING EFFECTS OF CLIMATE CHANGE, ENVIRONMENTAL SYNCHRONY, DISPERSAL, AND CORRIDORS
346	\$10,000	NATIONAL SCIENCE FOUNDATION	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT. SCI.	LTER: MECHANISMS OF RESILIENCE IN AGRICULTURAL LANDSCAPES
347	\$536,343	CORNELL UNIV	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EGYPT-US CENTER OF EXCELLENCE IN AGRICULTURE (COEA)
348	\$50,400	MICH BEAN COMMISSION	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	INTEGRATION OF SUSTAINABLE MANAGEMENT PRACTICES ESSENTIAL FOR THE ADVANCEMENT OF MICHIGAN DRY BEAN PRODUCTION
349	\$49,000	MICH SOYBEAN PROMOTION COMMITTEE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	SOYBEAN SDS AND SCN MANAGEMENT: DETECTION, FUNGICIDES AND RESISTANCE
350	\$30,000	MICH SOYBEAN PROMOTION COMMITTEE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	DETERMINATION OF PHYTOPHTHORA SOJAE POPULATIONS AND ASSESSMENT OF MANAGEMENT STRATEGIES
351	\$21,000	MICH SOYBEAN PROMOTION COMMITTEE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	IMPROVING WHITE MOLD MANAGEMENT: EPIDEMIOLOGY, FUNGICIDE TIMING AND PLANT RESISTANCE
352	\$22,680	MONSANTO COMPANY	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	MICROBIAL SEED TREATMENT INOCULATED SOY SDS
353	\$10,080	MONSANTO COMPANY	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	CORN SEED TREATMENT EFFICACY INOCULATED PYTHIUM
354	\$800,000	AGENCY FOR INTERNATL DEVELOPMENT	Douches, David	CANR INTERNATIONAL PROGRAMS	FEED THE FUTURE BIOTECHNOLOGY PARTNERSHIP
355	\$10,000	MICH TURFGRASS FOUNDATION	Merewitz Holm, Emily	PLANT SOIL AND MICROBIAL SCIENCES	RESEARCH ON TURFGRASS STRESS TOLERANCE.
356	\$6,300	MICH BEAN COMMISSION	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	SCBG BEAN HEALTH PROJECT PHASE III
357	\$27,731	MICH SOYBEAN PROMOTION COMMITTEE	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	MANAGEMENT OF HERBICIDE-RESISTANT WATERHEMP WITH NEW HERBICIDE-TECHNOLOGIES
358	\$27,333	MICH SOYBEAN PROMOTION COMMITTEE	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	COVER CROPS AND OTHER STRATEGIES TO MANAGE GLYPHOSATE-RESISTANT HORSEWEED [MARETAIL]
359	\$8,149	MICH SOYBEAN PROMOTION COMMITTEE	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	WEED CONTROL STRATEGIES FOR NON-GMO SOYBEAN GROWERS

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360	\$14,000	MICH SUGAR CO	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	COVER CROPS AND OTHER STRATEGIES TO MANAGE GLYPHOSATE-RESISTANT HORSEWEED (MARETAIL) IN ROUNDUP READY SUGARBEET
361	\$6,000	MICH SUGAR CO	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	ETHOFUMESATE: IS THERE A FIT IN MODERN SUGARBEET PRODUCTION? - YEAR 2
362	\$51,292	MONSANTO COMPANY	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATING DIFFERENT WEED CONTROL SYSTEMS IN HT3 SOYBEAN
363	\$6,930	MONSANTO COMPANY	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	COMPETITIVE SOYBEAN SYSTEM COMPARISON-NORTH
364	\$10,000	MICH CHERRY COMMISSION	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	EUROPEAN BROWN ROT: UNDERSTANDING INFECTION PARAMETERS AND DEVISING CONTROL STRATEGIES FOR A NEW THREAT TO MONTMORENCY TART CHERRY PRODUCTION
365	\$100,000	MICH SOYBEAN PROMOTION COMMITTEE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	SOYBEAN BREEDING AND GENETIC IMPROVEMENT FOR MICHIGAN ENVIRONMENTS
366	\$50,307	MICH SOYBEAN PROMOTION COMMITTEE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	ENHANCE RESEARCH IN SOYBEAN FIELD EVALUATIONS IN MICHIGAN
367	\$13,000	MICH SOYBEAN PROMOTION COMMITTEE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	OLASOY OIL: A NON-GMO HIGH OLEIC SOYBEAN OIL
MICHIGAN STATE UNIVERSITY EXTENSION					
368	\$72,335	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESEARCH ON EXOTIC FOREST PESTS IN MICHIGAN
369	\$5,900	CENTRAL UPPER PENINSULA PLANNING & DEVELOPMENT REGIONAL COMMISSION	Jean, Monica	EXTENSION AGRICULTURE AND AGRIBUSINESS	EDIBLE EDUCATION WITH YOUTH IN THE UPPER PENINSULA OF MICHIGAN
370	\$15,000	NATL GRAPE COOPERATIVE ASSN	Shane, William	EXTENSION AGRICULTURE AND AGRIBUSINESS	VINEYARD OF THE FUTURE/CONCORD GRAPE WORK AT SWMREC 2018
371	\$22,161	MICH SOYBEAN PROMOTION COMMITTEE	Staton, Michael	EXTENSION AGRICULTURE AND AGRIBUSINESS	2019 MSU EXTENSION ON-FARM RESEARCH, EDUCATION AND COMMUNICATION PROJECTS
372	\$101,245	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Bottomley, Lisa	EXTENSION CHILDREN AND YOUTH	MDNR URBAN OUTREACH COORDINATOR
373	\$57,960	NATL 4-H COUNCIL	Cox II, Frank	EXTENSION CHILDREN AND YOUTH	4-H NATIONAL MENTORING PROGRAM YEAR 9 NMP9 - COHORT 1
374	\$65,791	MICH 4-H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	3RD QTR 4H YOUTH DEVELOPMENT 2018-19
375	\$25,197	KANSAS STATE UNIVERSITY	Wisnewski, Diane	EXTENSION CHILDREN AND YOUTH	4-H MILITARY PARTNERSHIP

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376	\$29,643	MICHIGAN FOOD & FARMING SYSTEMS	Borgman, Mariel	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	FSMA WORKER TRAINING EDUCATION
377	\$16,750	MICHIGAN ECONOMIC DEVELOPMENT CORP	Ivan, David	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	EDUCATION/WORKSHOPS ON MICHIGAN PROSPERITY REGIONS
378	\$542,450	MICHIGAN UNIVERSITY OF	Triezenberg, Heather	FISHERIES AND WILDLIFE MSUE	MSG EXTENSION (OMNIBUS)
379	\$301,044	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Contreras, Dawn	EXTENSION HEALTH AND NUTRITION	EVIDENCE-BASED PREVENTIVE OPIOID USE DISORDER INTERVENTION AMONG MICHIGAN'S OLDER ADULTS
380	\$21,938	CHRISTMAS TREE PROMOTION BOARD	Cregg, Bert	HORTICULTURE ANR	MANAGING CONE FORMATION IN ABIES CHRISTMAS TREE SPECIES
381	\$20,000	MDOA HORTICULTURE FUND	Cregg, Bert	HORTICULTURE ANR	IMPROVING ESTABLISHMENT OF CONTAINER-GROWN LANDSCAPE TREES IN THE LANDSCAPE
382	\$58,851	CLEMSON UNIVERSITY	Fernandez, Rodney	HORTICULTURE ANR	CLEAN WATER3 - REDUCE, REMEDIATE, RECYCLE: INFORMED DECISION-MAKING TO FACILITATE USE OF ALTERNATIVE WATER RESOURCES AND PROMOTE SUSTAINABLE SPECIALTY CROP PRODUCTION.
383	\$75,000	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	10 - DNR PRD NATURAL COMMUNITY SURVEYS AND MIFI INVENTORY OF PRD LANDS 2019
384	\$25,669	NOTTAWASEPPI HURON BAND OF THE POTAWATOMI	Kortenhoven, Aaron	NATURAL FEATURES INVENTORY MSUE	NOTTOWASEPPI HURON BAND OF THE POTAWATOMI INTEGRATED INVENTORY
385	\$85,202	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Lee, Yu	NATURAL FEATURES INVENTORY MSUE	6 - CSWG STATUS ASSESSMENT FOR BLANDING'S TURTLES IN THE LAKE ERIE WATERSHED
386	\$12,600	MICH POTATO INDUSTRY COMMISSION	Burns, Erin	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATING SYNERGISTIC INTERACTIONS BETWEEN HPPD INHIBITING HERBICIDES AND ATRAZINE FOR VOLUNTEER POTATO CONTROL
387	\$8,000	WISCONSIN UNIV OF	Burns, Erin	PLANT SOIL AND MICROBIAL SCIENCES	SUSTAINABLE MANAGEMENT OF WATERHEMP IN ESTABLISHED ALFALFA FOR DAIRY SYSTEMS
388	\$10,000	MICH TURFGRASS FOUNDATION	Frank, Kevin	PLANT SOIL AND MICROBIAL SCIENCES	2019 GRANT FOR TURFGRASS TESTING
389	\$86,382	GINSENG BOARD OF WISCONSIN	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	STOPPING RUSTY ROOT ON GINSENG THROUGH RESEARCH AND EDUCATION
390	\$48,404	MICH SOYBEAN PROMOTION COMMITTEE	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	MANAGEMENT STRATEGIES TO IMPROVE YIELD, QUALITY AND PROFITABILITY IN SOYBEAN UNDER DIFFERENT PLANTING DATES

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391	\$15,000	MICH SOYBEAN PROMOTION COMMITTEE	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	ROLE OF POPULATION DENSITY IN DETERMINING SEED QUALITY AND YIELD IN FOOD GRADE SOYBEAN VARIETIES
392	\$43,080	MICH SOYBEAN PROMOTION COMMITTEE	Steinke, Kurt	PLANT SOIL AND MICROBIAL SCIENCES	ENHANCING NUTRIENT UPTAKE IN SOYBEAN PRODUCTION SYSTEMS
393	\$14,800	MICH SUGAR CO	Steinke, Kurt	PLANT SOIL AND MICROBIAL SCIENCES	IMPROVING THE START-RIGHT CAPACITY, QUALITY, AND PRODUCTION OF SUGARBEETS
394	\$10,000	MICH TURFGRASS FOUNDATION	Vargas, Joseph	PLANT SOIL AND MICROBIAL SCIENCES	TURFGRASS DISEASE MANAGEMENT
395	\$10,600	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Beyea, Wayne	SCHL OF PLANNING,DESIGN&CNS T-MSUE	CLIMATE AND HEALTH COLLABORATION
RESEARCH AND INNOVATION					
396	\$1,100,000	DOW FOUNDATION HERBERT & GRACE	Hunt, Paul	ASSOCIATE VICE PRESIDENT FOR RESEARCH	A PROPOSAL FOR THE 2019-2021 SUPPORT OF MSU ST. ANDREWS AND RELATED CAMPUS RESOURCES
397	\$229,000	MICHIGAN UNIVERSITY OF	Hasemann, Charles	RESEARCH AND INNOVATION SVP	TECHNOLOGY TRANSFER TALENT NETWORK - 5
398	\$750,000	MSU FOUNDATION	Hsu, Stephen	RESEARCH AND INNOVATION SVP	VP RESEARCH DISCRETIONARY (RG072997, SUBACCT RESRV)
399	\$200,000	MSU FOUNDATION	Hsu, Stephen	RESEARCH AND INNOVATION SVP	SPECIAL EQUIPMENT (RG074711)
GRADUATE SCHOOL DEAN					
400	\$51,875	WISCONSIN UNIV OF	McDaniels, Melissa	TEACHING ASSISTANT PROGRAMS	OPTIMIZING MENTORING RELATIONSHIPS TO PROMOTE DIVERSITY AND RESEARCH EXCELLENCE IN THE NATIONAL LABORATORY CONTEXT
UNIVERSITY ADVANCEMENT					
401	\$20,990,090	VARIOUS DONORS - ADVANCEMENT	Heil, Marsha K S	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR THE PERIOD JANUARY 1 THROUGH MARCH 31, 2019
ADMINISTRATION					
402	\$1,692,896	VARIOUS DONORS	Udpa, Satish	MSU FOUNDATION	QUARTERLY GIFT/GRANT TRANSFERS
Various					
403	\$181,748	VARIOUS	Various	Various	92 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES LESS THAN \$5000. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	\$108,433,440	Total June 2019 Board			

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
June 21, 2019

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Training Center for Dairy Professionals TCDP facility, TCDP utilities, intern housing, access to health & production records, and access to cattle	Green Meadow Farms Darcy & Craig Green	Large Animal Clinical Sciences	\$184,000.00	Research & student education
2	Boston Grand Piano Model GP218 Serial#141991	Young Hyun Cho & Dean Lee	Facility for Rare Isotope Beams - FRIB	\$24,866.00	In support of the Advanced Studies Gateway Initiative at FRIB
3	Original framed watercolor painting, <i>Christ's Ascension</i> , by Eunice Finney, ca 1815	Marsha McDowell C. Kurt Dewhurst	Libraries	\$24,000.00	Research in MSU Libraries
4	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$14,686.57	Recruiting trip for Coach Izzo
5	Quantix drones and accessories Serial #AV01103 Serial #AV01104	AeroVironment, Inc.	Geography, Environment and Spatial Sciences	\$12,700.00	Research & education
6	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$12,092.84	Recruiting trip for Coach Izzo
7	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$9,085.18	Recruiting trip for Coach Izzo

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
8	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$7,855.83	Recruiting trip for Coach Izzo
9	Lifecast baby Model# 100005	Cindy Hayes	Learning Assessment Center	\$7,500.00	Training programs in the Nursing & Medical Schools.
10	“Fortress” reinforced fiberglass sculpture by Mel G. Leiserowitz	Nancy Leiserowitz	Infrastructure Planning and Facilities	\$5,000.00	Campus beautification
11	Dr. David Cooper’s personal research & publications	Dr. David Cooper	Libraries	\$5,000.00	Research in Special Collections
12-97	Various	Various	Various	\$45,012.29	86 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
			TOTAL	\$351,798.71	