

**MICHIGAN STATE
UNIVERSITY**

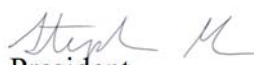
APPROVED
FEBRUARY 15, 2019
BOARD OF TRUSTEES
MICHIGAN STATE UNIVERSITY

January 23, 2019

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, 2018 through January 16, 2019. The report is a compilation of 508 Gifts, Grants and Contracts plus 70 Consignment/Non-Cash Gifts, with a total value of \$157,682,327.



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

Stephen Hsu
Senior Vice President

Hannah Administration Bldg.
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vprgs.msu.edu

FY 2018-19 TOTALS:

a) Gifts, Grants and Contracts only:	\$476,281,967
b) Gifts, Grants and Contracts plus Consignments:	\$478,709,494

(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: 2/15/2019

AWARD TOTALS

Research			
	11/13/18-01/16/19	18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$90,582,423	\$298,088,953	86.0%
State of Michigan	\$7,419,433	\$11,354,405	3.3%
Other	\$4,197,831	\$9,695,986	2.8%
Industry/CO	\$3,252,388	\$6,123,058	1.8%
Foundation	\$11,771,928	\$18,666,253	5.4%
Association	\$531,793	\$2,506,408	0.7%
TOTAL	\$117,755,796	\$346,435,063	100%

Non-Research			
	11/13/18-01/16/19	18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$6,114,077	\$44,991,757	34.6%
State of Michigan	\$678,500	\$6,297,500	4.8%
Other	\$2,865,490	\$10,230,841	7.9%
Industry/CO	\$669,513	\$3,417,152	2.6%
Foundation	\$2,088,174	\$3,830,674	3.0%
Association	\$28,823	\$590,092	0.5%
Various Donors - Advancement	\$26,596,808	\$60,488,888	46.6%
TOTAL	\$39,041,384	\$129,846,904	100%

Total			
	11/13/18-01/16/19	18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$96,696,500	\$343,080,710	72.0%
State of Michigan	\$8,097,933	\$17,651,906	3.7%
Other	\$7,063,321	\$19,926,827	4.2%
Industry/CO	\$3,921,901	\$9,540,209	2.0%
Foundation	\$13,860,102	\$22,496,927	4.7%
Association	\$560,616	\$3,096,500	0.7%
Various Donors - Advancement	\$26,596,808	\$60,488,888	12.7%
TOTAL	\$156,797,181	\$476,281,967	100%

OF AWARDS

Research			
	11/13/18-01/16/19	18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	159	772	53.8%
State of Michigan	20	55	3.8%
Other	64	217	15.1%
Industry/CO	77	219	15.3%
Foundation	20	68	4.7%
Association	26	103	7.2%
TOTAL	366	1434	100%

Non-Research			
	11/13/18-01/16/19	18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	33	157	30.8%
State of Michigan	6	37	7.3%
Other	40	117	23.0%
Industry/CO	36	117	23.0%
Foundation	24	60	11.8%
Association	2	18	3.5%
Various Donors - Advancement	1	3	0.6%
TOTAL	142	509	100%

Total			
	11/13/18-01/16/19	18-19	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	192	929	47.8%
State of Michigan	26	92	4.7%
Other	104	334	17.2%
Industry/CO	113	336	17.3%
Foundation	44	128	6.6%
Association	28	121	6.2%
Various Donors - Advancement	1	3	0.2%
TOTAL	508	1943	100%

Current Year / Previous Year

Gift & Grant Awards

Meeting Date: 2/15/2019

AWARD TOTALS

Research			
<u>Gift/Grant Source</u>	<u>05/26/17-01/18/18</u>	<u>05/22/18-01/16/19</u>	<u>% Change</u>
Federal Government	\$235,247,012	\$298,088,953	26.7%
State of Michigan	\$7,395,597	\$11,354,405	53.5%
Other	\$11,801,058	\$9,695,986	-17.8%
Industry/CO	\$4,840,617	\$6,123,058	26.5%
Foundation	\$26,642,348	\$18,666,253	-29.9%
Association	\$2,969,175	\$2,506,408	-15.6%
TOTAL	\$288,895,807	\$346,435,063	20%

Non-Research			
<u>Gift/Grant Source</u>	<u>05/26/17-01/18/18</u>	<u>05/22/18-01/16/19</u>	<u>% Change</u>
Federal Government	\$37,432,311	\$44,991,757	20.2%
State of Michigan	\$6,513,648	\$6,297,500	-3.3%
Other	\$7,258,522	\$10,230,841	40.9%
Industry/CO	\$2,951,713	\$3,417,152	15.8%
Foundation	\$3,559,939	\$3,830,674	7.6%
Association	\$788,163	\$590,092	-25.1%
Various Donors - Advancement	\$85,833,127	\$60,488,888	-29.5%
TOTAL	\$144,337,423	\$129,846,904	-10%

Total			
<u>Gift/Grant Source</u>	<u>05/26/17-01/18/18</u>	<u>05/22/18-01/16/19</u>	<u>% Change</u>
Federal Government	\$272,679,323	\$343,080,710	25.8%
State of Michigan	\$13,909,245	\$17,651,906	26.9%
Other	\$19,059,580	\$19,926,827	4.6%
Industry/CO	\$7,792,330	\$9,540,209	22.4%
Foundation	\$30,202,287	\$22,496,927	-25.5%
Association	\$3,757,338	\$3,096,500	-17.6%
Various Donors - Advancement	\$85,833,127	\$60,488,888	-29.5%
TOTAL	\$433,233,230	\$476,281,967	10%

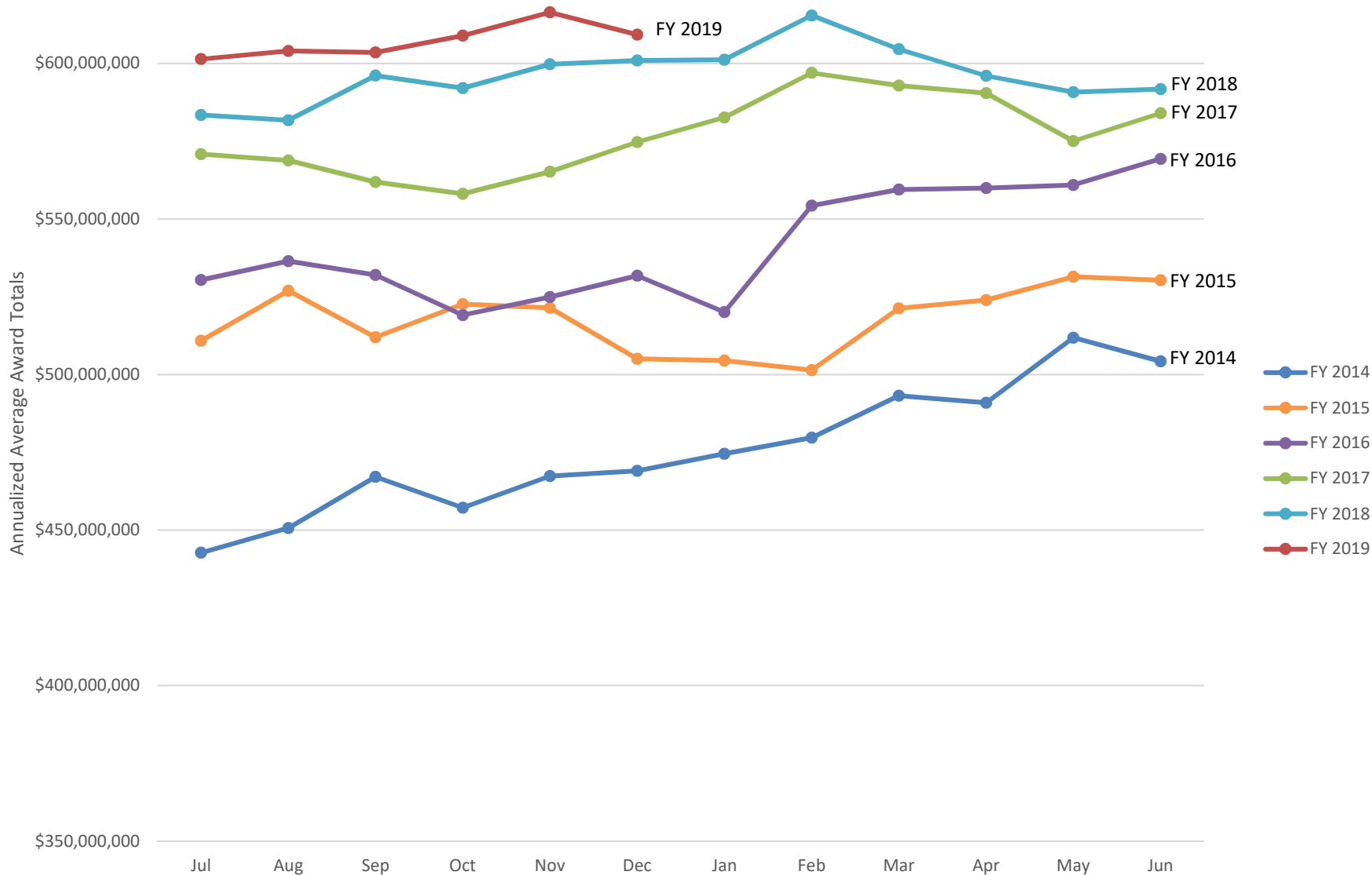
OF AWARDS

Research			
<u>Gift/Grant Source</u>	<u>05/26/17-01/18/18</u>	<u>05/22/18-01/16/19</u>	<u>% Change</u>
Federal Government	703	772	9.8%
State of Michigan	51	55	7.8%
Other	200	217	8.5%
Industry/CO	239	219	-8.4%
Foundation	83	68	-18.1%
Association	177	103	-41.8%
TOTAL	1453	1434	-1%

Non-Research			
<u>Gift/Grant Source</u>	<u>05/26/17-01/18/18</u>	<u>05/22/18-01/16/19</u>	<u>% Change</u>
Federal Government	160	157	-1.9%
State of Michigan	39	37	-5.1%
Other	102	117	14.7%
Industry/CO	116	117	0.9%
Foundation	59	60	1.7%
Association	20	18	-10.0%
Various Donors - Advancement	3	3	0.0%
TOTAL	499	509	2%

Total			
<u>Gift/Grant Source</u>	<u>05/26/17-01/18/18</u>	<u>05/22/18-01/16/19</u>	<u>% Change</u>
Federal Government	863	929	7.6%
State of Michigan	90	92	2.2%
Other	302	334	10.6%
Industry/CO	355	336	-5.4%
Foundation	142	128	-9.9%
Association	197	121	-38.6%
Various Donors - Advancement	3	3	0.0%
TOTAL	1952	1943	0%

Michigan State University 3 Year Annualized Average Awards



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

Top 10 Awards for the February 15, 2019 BOT Meeting

Rank	Funding Type	Award Amount	First PI	Grantor	Dept	New or Revision	Function	Project Dates	Title
1	Federal Government	\$53,883,591	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	Foundation	\$7,800,000	Jayne, Thomas	Foundation for a Smoke Free World	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	New	Research	1/1/2019 12/31/2021	FOUNDATION FOR A SMOKE FREE-WORLD
3	Federal Government	\$6,000,000	Sherrill, Bradley	National Science Foundation	NAT'L SUPERCONDUCTING CYCLOTRON LAB	New	Research	10/1/2016 9/30/2021	OPERATION OF THE NSCL AS A NATIONAL USER FACILITY & RESEARCH PROGRAM
4	State of Michigan	\$4,700,000	Buhler, Douglas	Michigan Department of Natural Resources	MSU AGBIORESEARCH DIR OFC	New	Research	12/27/2018 9/30/2022	WILDLIFE DISEASE GRANT
5	Federal Government	\$1,900,000	Pittendrigh, Barry	AGENCY FOR INTERNATL DEVELOPMENT	MSU AGBIORESEARCH DIR OFC	New	Research	8/23/2018 8/22/2023	FEED THE FUTURE INNOVATION LAB FOR LEGUME SYSTEMS RESEARCH (ILLSR)
6	Federal Government	\$1,500,000	Douches, David	AGENCY FOR INTERNATL DEVELOPMENT	CENTER FOR GLOBAL CONNECTIONS CGC	Revision	Research	9/30/2015 9/29/2020	FEED THE FUTURE BIOTECHNOLOGY PARTNERSHIP
7	Foundation	\$1,499,827	Strunk, Katharine	HEWLETT FOUNDATION - WILLIAM & FLORA	EDUCATION POLICY CENTER	New	Research	11/13/2018 11/13/2021	COMPETENCY-BASED EDUCATION IN MICHIGAN: SHIFTING INSTRUCTIONAL PRACTICE TO PROMOTE STUDENT LEARNING AND ENGAGEMENT
8	Federal Government	\$1,223,567	Grotewold, Erich	National Science Foundation	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	New	Research	2/1/2018 1/31/2022	RESEARCH-PGR: ELUCIDATING MAIZE GENE REGULATORY NETWORKS TO ACCELERATE TRANSLATIONAL GENOMICS
9	Industry/CO	\$1,198,674	Holmes, Denise	ALLIANCE CORPORATION	CHM WEST MICHIGAN	New	Research	7/1/2007 6/30/2022	MSU-ALLIANCE TRANSLATIONAL HEALTH RESEARCH IN GRAND RAPIDS
10	Federal Government	\$1,127,000	Hamilton, Stephen	National Science Foundation	KELLOGG BIOLOGICAL STATION NAT. SCI.	New	Research	12/1/2018 11/30/2019	LTER: MECHANISMS OF RESILIENCE IN AGRICULTURAL LANDSCAPES
		\$80,832,659							

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

	Amount	Donor	Director	Unit	Purpose
COLLEGE OF AGRICULTURE AND NAT RESOURCES					
1	\$7,800,000	FOUNDATION FOR A SMOKE FREE WORLD	Jayne, Thomas	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	FOUNDATION FOR A SMOKE FREE-WORLD
2	\$59,980	RUTGERS UNIVERSITY	Liverpool-Tasie, Lenis	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	A RESEARCH STRATEGY TO UNDERSTAND THE IMPACTS AND IMPACT PATHWAYS OF FOOD, AGRICULTURAL & NUTRITION
3	\$1,038,630	GLOBAL ALLIANCE FOR IMPROVED NUTRITION	Tschirley, David	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	GLOBAL ALLIANCE FOR IMPROVED NUTRITION
4	\$242,262	ZOETIS	Gondro, Cedric	ANIMAL SCIENCE DEPARTMENT ANR	CHARACTERIZATION OF THE MAJOR HISTOCOMPATIBILITY COMPLEX IN AMERICAN HOLSTEIN COWS
5	\$120,821	FOUNDATION FOR MEAT & POULTRY RESEARCH & EDUCATION	Marks, Bradley	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	EFFECTS OF PRODUCT MOISTURE AND PROCESS HUMIDITY ON PATHOGEN LETHALITY DURING CONTINUOUS COOKING OF MEAT AND POULTRY PRODUCTS
6	\$70,000	MICHIGAN DEPT OF EDUCATION	Forbush, Mark	DEPARTMENT OF COMMUNITY SUSTAINABILITY	SECONDARY PERKINS STATE LEADERSHIP GRANT
7	\$313,616	MICHIGAN HEALTH ENDOWMENT FUND	Gensler, Liz	DEPARTMENT OF COMMUNITY SUSTAINABILITY	BUILDING MICHIGAN'S HEALTHY FOOD ACCESS THROUGH LOCAL FOOD COUNCILS AND STATEWIDE FOOD & HEALTH NETWORKS
8	\$54,190	ARMY US CORPS OF ENGINEERS	Herbowicz, Teresa	DEPARTMENT OF COMMUNITY SUSTAINABILITY	2018/19 IPA HERBOWICZ
9	\$529,460	BUREAU OF EDUC AND CULTURAL AFFAIRS	Wright, Wynne	CTR FOR ADV STUDY OF INTL DEVELOPM CSS	ADVANCING YOUNG WOMEN AGRIBUSINESS ENTREPRENEURS AND INNOVATORS: A KENYA-TANZANIA-UGANDA_US PARTNERSHIP.
10	\$192,415	USDA - FOREIGN AG SER	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BIOTECHNOLOGY AND BIOSAFETY TRAINING PROGRAM FOR EMPOWERING POLICY MAKERS, REGULATORS, AND OTHER KEY STAKEHOLDERS IN EMERGING MARKETS IN AFRICA AND ASIA
11	\$17,562	CHERRY MARKETING INSTITUTE	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TREE FRUIT INTEGRATOR POSITION
12	\$99,949	MICH CHERRY COMMITTEE	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	REFINING SPOTTED WING DROSOPHILA MANAGEMENT PRACTICES IN MICHIGAN TART CHERRIES : PART 2
13	\$5,757	MICHIGAN APPLE COMMITTEE	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TREE FRUIT INTEGRATOR POSITION

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

	Amount	Donor	Director	Unit	Purpose
14	\$43,199	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Brenden, Travis	FISHERIES AND WILDLIFE	FINE-SCALE SPACE USE OF GRASS CARP IN LAKE ERIE AND CONTINUING RESEARCH INTO GRASS CARP TRIBUTARY USE AND LARGE-SCALE MOVEMENT THROUGH ACOUSTIC TELEMETRY
15	\$30,000	NATL AERONAUTICS AND SPACE ADM	Liu, Jianguo	FISHERIES AND WILDLIFE	15-TWSC15-0040 NASA-MSU PROFESSIONAL ENHANCEMENT AWARDS
16	\$74,330	GREAT LAKES FISHERIES COMMISSION	Peacor, Scott	FISHERIES AND WILDLIFE	JOINT EFFECTS OF PHYSICAL PROCESSES AND MULTIPLE INVASIVE SPECIES ON GREAT LAKES ZOOPLANKTON PRODUCTION, WITH IMPLICATIONS FOR FISH RECRUITMENT
17	\$67,891	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Robinson, John	FISHERIES AND WILDLIFE	ESTABLISHING PREDICTIVE RELATIONSHIPS BETWEEN EDNA-DERIVED ESTIMATES OF SPECIES COMPOSITION AND RELATIVE ABUNDANCE OF SPECIES FROM ENTIRE AQUATIC COMMUNITIES AND PHYSICAL AND BIOLOGICAL ENVIRONMENTAL
18	\$42,216	GREAT LAKES FISHERIES COMMISSION	Robinson, Kelly	FISHERIES AND WILDLIFE	CONSEQUENCES OF CONNECTIVITY, YEAR 1 STUDENT SUPPORT
19	\$8,650	TRUSSELL TECHNOLOGIES INC	Rose, Joan	FISHERIES AND WILDLIFE	TESTING - TRUSSELL TECHNOLOGIES
20	\$341,334	GREAT LAKES FISHERY TRUST	Roth, Brian	FISHERIES AND WILDLIFE	A COMPREHENSIVE EVALUATION AND COMPARISON OF THE FOOD WEBS OF LAKES MICHIGAN AND HURON USING PREDATOR DIETS AND STABLE ISOTOPES
21	\$137,190	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Roth, Brian	FISHERIES AND WILDLIFE	IMPLEMENTING AND EVALUATING RESPONSE ACTIONS FOR RED SWAMP CRAYFISH IN MICHIGAN.
22	\$110,498	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Roth, Brian	FISHERIES AND WILDLIFE	RED SWAMP CRAYFISH RESPONSE PLAN
23	\$108,350	GREAT LAKES FISHERIES COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. TOM BINDER
24	\$94,703	GREAT LAKES FISHERIES COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. TODD HAYDEN
25	\$86,985	GREAT LAKES FISHERIES COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. NANCY NATE
26	\$115,000	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Williams, David	FISHERIES AND WILDLIFE	CHRONIC WASTING DISEASE DEER MOVEMENT STUDY
27	\$5,040	BRUCE HARTE	Cho, Sungeun	FOOD SCIENCE AND HUM NUTRITION ANR	FRESH SAUSAGE PACKAGE EVALUATION
28	\$10,000	MICH STATE MILLERS ASSOCIATION	Ng, Perry	FOOD SCIENCE AND HUM NUTRITION ANR	WHEAT QUALITY TESTING PROGRAM

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

	Amount	Donor	Director	Unit	Purpose
29	\$9,840	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rogers, Gail	FOOD SCIENCE AND HUM NUTRITION ANR	MSU/WIC DIETETIC INTERNSHIP 2018-2019
30	\$40,000	ILSI N. AMER TECH COMM ON FOOD MICROBIO	Wu, Felicia	FOOD SCIENCE AND HUM NUTRITION ANR	ASSESSING HUMAN HEALTH IMPACTS OF GLOBAL ADOPTION OF CODEX DEOXYNIVALENOL (DON) GUIDELINES
31	\$24,033	OREGON STATE UNIVERSITY	Nejad, Mojgan	FORESTRY	PHASE II I/UCRC OREGON STATE U. SITE: CENTER FOR WOOD-BASED COMPOSITES (WBC) -SUITABILITY OF DIFFERENT LIGNINS AS POLYOL REPLACEMENT IN PU ADHESIVE FORMULATION (I-19-NE)
32	\$318,132	MICHIGAN HOMEOWNER ASSISTANCE NONPROFIT HOUSING CORPORATION	Wyckoff, Mark	LAND POLICY INSTITUTE ANR	MICHIGAN HARDEST HIT FUNDS IMPACT ASSESSMENT
33	\$46,665	AGRICULTURAL RESEARCH SERVICE UNITED STATES DEPARTMENT OF AGRICULTURE	Day, Brad	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
34	\$33,880	AGRICULTURAL RESEARCH SERVICE UNITED STATES DEPARTMENT OF AGRICULTURE	Day, Brad	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
35	\$35,000	JET PROPULSION LABORATORY	Ines, Amor Valeriano	PLANT SOIL AND MICROBIAL SCIENCES	DROUGHT AND CROP PRODUCTIVITY RHEAS IMPLEMENTATION FOR THE LOWER MEKONG
36	\$51,000	AGRICULTURAL RESEARCH SERVICE UNITED STATES DEPARTMENT OF AGRICULTURE	Kelly, James	PLANT SOIL AND MICROBIAL SCIENCES	BEAN FLOUR EVALUATION AND PRODUCT DEVELOPMENT
37	\$14,000	MICH BEAN COMMISSION	Kelly, James	PLANT SOIL AND MICROBIAL SCIENCES	ASSESSMENT OF DISEASES, NITROGEN FERTILITY AND COVER CROPS IN SUSTAINABLE DRY BEAN PRODUCTION SYSTEMS
38	\$50,000	MICH CROP IMPROVEMENT ASSOC	Kelly, James	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPMENT AND MAINTENANCE OF HIGH-YIELDING, DISEASE RESISTANT, DROUGHT TOLERANT, PROCESSOR QUALITY DRY BEAN VARIETIES SUITABLE FOR DIRECT HARVEST IN MICHIGAN
39	\$27,920	MICH POTATO INDUSTRY COMMISSION	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	IDENTIFY AND DEVELOP ASSESSMENT TOOLS TO HELP THE BREEDING AND SELECTION OF SUPERIOR POTATO VARIETIES FOR THE POTATO CHIP-PROCESSING INDUSTRY.
40	\$19,340	MICH POTATO INDUSTRY COMMISSION	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	IDENTIFY AND DEVELOP ASSESSMENT TOOLS TO HELP THE BREEDING AND SELECTION OF SUPERIOR POTATO VARIETIES FOR THE POTATO CHIP-PROCESSING INDUSTRY.
41	\$6,738	MICH POTATO INDUSTRY COMMISSION	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	IDENTIFY AND DEVELOP ASSESSMENT TOOLS TO HELP THE BREEDING AND SELECTION OF SUPERIOR POTATO VARIETIES FOR THE POTATO CHIP-PROCESSING INDUSTRY.

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

	Amount	Donor	Director	Unit	Purpose
42	\$29,070	AGRICULTURAL RESEARCH SERVICE UNITED STATES DEPARTMENT OF AGRICULTURE	Rosenzweig, Noah	PLANT SOIL AND MICROBIAL SCIENCES	FUNGICIDE RESISTANCE MONITORING OF HELMINTHOSPORIUM SOLANI ISOLATES FROM POTATOES TO DETERMINE POPULATION SENSITIVITY DISTRIBUTION, RISK ASSESSMENT, AND GENE MUTATIONS ASSOCIATED WITH RESISTANCE.
43	\$25,000	AGRICULTURAL RESEARCH SERVICE UNITED STATES DEPARTMENT OF AGRICULTURE	Willbur, Jaime	PLANT SOIL AND MICROBIAL SCIENCES	CHARACTERIZATION OF SUGAR BEET POLYGALACTURNASE INHIBITOR PROTEIN [BVPGIP] GENES IN RHIZOCTONIA RESISTANT AND SUSCEPTIBLE ELITE SUGAR BEET
44	\$30,000	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Kim, Suk	SCHOOL OF PLANNING DES CONSTRUCTION ANR	SUSTAINABLE PARK DESIGN AND PLANNING
45	\$31,350	KEWEENAW BAY OJIBWA COMMUNITY COLLEGE	Asher, Aaron	WATER RESEARCH INSTITUTE ANR	MODELING IN L'ANSE RESERVATION
ELI BROAD COLLEGE OF BUSINESS					
46	\$138,560	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	Hoffrichter, Andreas	EXECUTIVE DEVELOPMENT PROGRAMS	THE PIEDMONT SERVICE - HYDROGEN FUEL CELL LOCOMOTIVE FEASIBILITY
47	\$50,000	MCKINSEY & CO INC	Schoenherr, Tobias	DEPARTMENT OF SUPPLY CHAIN MANAGEMENT	SUPPLIER COLLABORATION INDEX DEVELOPMENT
48	\$73,500	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Fraye, David	EXECUTIVE DEVELOPMENT PROGRAMS	CRITICAL THINKING SKILLS WORKSHOPS FOR QUALITY OF LIFE STAFF
49	\$216,735	NATIONAL SCIENCE FOUNDATION	Chao, Georgia	MANAGEMENT	GEORGIA CHAO - NSF VISITING SCIENTIST
COLLEGE OF COMMUNICATION ARTS SCIENCES					
50	\$29,997	IOWA UNIV OF	Holmstrom, Amanda	COMMUNICATION	GREAT PLAINS CENTER FOR AGRICULTURAL HEALTH (GPCAH)
51	\$56,687	BRIGHAM YOUNG UNIVERSITY	Hunter, Eric	COMMUNICATIVE SCIENCES DISORDERS CAS	IMAGING AND INFLUENCE OF GLOTTIC AND SUBGLOTTIC ANATOMY IN HEALTHY AND STENOTIC PATIENTS
52	\$155,000	NATL INST OF HEALTH - NIH/PHS	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
53	\$10,310	INDIAN LAND TENURE FOUNDATION	LaPensee, Elizabeth	MEDIA AND INFORMATION	LESSONS OF FOURLAND GAME

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

	Amount	Donor	Director	Unit	Purpose
54	\$104,867	NATIONAL SCIENCE FOUNDATION	Van Osch, Wietske	MEDIA AND INFORMATION	CAREER: GENERATING GENERATIVITY: MODELING AND FOSTERING CREATIVE COLLABORATIONS IN ENTERPRISE SOCIAL MEDIA USING A CYBERINFRASTRUCTURE FOR SMART INNOVATION
COLLEGE OF EDUCATION					
55	\$500,000	FLINT COMMUNITY SCHOOLS	Beverly, Bryan	CED OUTREACH	FLINT COMMUNITY SCHOOLS - CONSULTANCY TO DEVELOP AND IMPLEMENT A CONTINUOUS PROFESSIONAL DEVELOPMENT PROGRAM FOR INSTRUCTIONAL LEADERS
56	\$150,000	SKILLMAN FOUNDATION THE	Gunnings-Moton, Sonya	CED SUPPORT SERVICES AND ENGAGEMENT	COLLEGE OF EDUCATION URBAN IMMERSION
57	\$79,550	NATL OFF OF CHINESE LANGUAGE CONCL INTL - HAN BAN	Paine, Lynn	EDUCATION DEAN	CONTINUATION OF THE CONFUCIUS INSTITUTE AT MICHIGAN STATE UNIVERSITY
58	\$225,000	VARIOUS SCHOOLS	Paine, Lynn	EDUCATION DEAN	CONFUCIUS INSTITUTE CHINESE TEACHER CONTRACTS
59	\$725,151	LAURA & JOHN ARNOLD FOUNDATION	Cowen, Joshua	EDUCATIONAL ADMINISTRATION	MICHIGAN EDUCATION DATA RESEARCH CENTER
60	\$39,738	STANFORD UNIVERSITY	Cowen, Joshua	EDUCATION POLICY CENTER	STANFORD EDUCATION DATA ARCHIVE VALIDATION PROJECT
61	\$1,499,827	HEWLETT FOUNDATION - WILLIAM & FLORA	Strunk, Katharine	EDUCATION POLICY CENTER	COMPETENCY-BASED EDUCATION IN MICHIGAN: SHIFTING INSTRUCTIONAL PRACTICE TO PROMOTE STUDENT LEARNING AND ENGAGEMENT
62	\$28,672	BOSTON UNIVERSITY	Amey, Marilyn	EDUCATIONAL ADMINISTRATION	CELL-MET
63	\$124,185	UNIV OF WISCONSIN - MADISON	Austin, Ann	EDUCATIONAL ADMINISTRATION	PREPARING FUTURE FACULTY TO IMPROVE STEM EDUCATION: BROADENING THE NATIONAL IMPACT OF THE CIRTLL NETWORK
64	\$209,732	GEORGIA STATE UNIV	Renn, Kristen	ASC PROVOST FOR UNDERGRADUATE EDUCATION	MAAPS: MONITORING ADVISING ANALYTICS TO PROMOTE STUDENT SUCCESS
65	\$25,000	INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	Venzant Chambers, Terah	TEACHER EDUCATION	MIDWEST AND PLAINS EQUITY ASSISTANCE CENTER: CIVIL RIGHTS TRAINING AND ADVISORY SERVICES-EQUITY ASSISTANCE CENTERS PROGRAM
66	\$8,820	BRAINSCOPE CO INC	Covassin, Tracey	KINESIOLOGY - ED	CONCUSSION STUDY (2)
67	\$345,081	GOOGLE, INC.	Pontifex, Matthew	KINESIOLOGY - ED	NEURAL ACTIVITY AND EMOTION PROCESSING 2

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	COLLEGE OF ENGINEERING				
68	\$162,096	NATL HEART LUNG BLOOD INST -NIH/PHS	Aguirre Cano, Aitor	INSTITUTE FOR QUANTITATIVE HEALTH	LIPID SIGNALING IN CARDIAC DEVELOPMENT AND DISEASE
69	\$558,325	NATL INST OF HEALTH - NIH/PHS	Contag, Christopher	INSTITUTE FOR QUANTITATIVE HEALTH	RAMAN MOLECULAR IMAGING FOR EARLY DETECTION OF COLON CANCER
70	\$188,763	JOHNS HOPKINS UNIVERSITY	Gilad, Assaf	INSTITUTE FOR QUANTITATIVE HEALTH	RESOURCE FOR MOLECULAR IMAGING AGENTS IN PRECISION MEDICINE
71	\$65,029	FORD MOTOR COMPANY	Lee, Andre	CHEMICAL ENGINEERING AND MATERIALS SCI	HIGH STRENGTH CAST ALUMINUM ALLOYS FOR AUTOMOTIVE APPLICATIONS BY GRAIN REFINEMENT USING POSS TREATMENT
72	\$200,000	NATIONAL SCIENCE FOUNDATION	Walton, Stephen	CHEMICAL ENGINEERING AND MATERIALS SCI	RESEARCH INITIATION: UNDERSTANDING THE IMPACT OF INSTITUTIONAL SUPPORTS ON THE MOTIVATION, BELONGING, IDENTITY DEVELOPMENT, AND PERSISTENCE OF ENGINEERING STUDENTS
73	\$65,000	JET PROPULSION LABORATORY	Zevalkink, Alexandra	CHEMICAL ENGINEERING AND MATERIALS SCI	USING ZINTL CHEMISTRY TO CONTROL HIGH-TEMPERATURE STRUCTURE AND BONDING
74	\$82,201	NATIONAL SCIENCE FOUNDATION	Zevalkink, Alexandra	CHEMICAL ENGINEERING AND MATERIALS SCI	TRAVELING SOLVENT CRYSTAL GROWTH OF ANISOTROPIC ZINTL THERMOELECTRICS
75	\$308,662	ENERGY US DEPT OF	Dargazany, Roozbeh	CIVIL AND ENVIRONMENTAL ENGINEERING	A HYBRID PHYSICS-BASED DATA-DRIVEN APPROACH TO MODEL DAMAGE ACCUMULATION IN CORROSION OF POLYMERIC ADHESIVES
76	\$35,500	FEDERAL HIGHWAY ADMINISTRATION	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	DWIGHT DAVID EISENHOWER TRANSPORTATION FELLOWSHIP PROGRAM (DDETFP) GRADUATE FELLOWSHIP
77	\$50,000	APPLIED RESEARCH ASSOCIATES INC	Haider, Syed	UNIVERSITY RESEARCH ORGANIZATION	NCHRP/LTPP DATA ANALYSIS: DEVELOP PRACTICAL TOOLS AND PROCEDURES TO IMPROVE WIM DATA QUALITY
78	\$110,000	INGHAM COUNTY	Kutay, Muhammed	CIVIL AND ENVIRONMENTAL ENGINEERING	POLYMER COATED RUBBER (PCR) MODIFIED ASPHALT: FIELD EVALUATION OF PCR "DRY" TECHNOLOGY LABORATORY EVALUATION OF PCR "WET" TECHNOLOGY
79	\$857,187	COLLABORATIVE COMPOSITE SOLUTIONS CORP.	Drzal, Lawrence	COMPOSITE MATERIALS AND STRUCTURES CTR	IACMI TASK 3.1 - SET UP AND M&O (MANAGEMENT AND OPERATIONS)-PROJECT AGREEMENT #: PA16-0349-3.1-01
80	\$563,389	COLLABORATIVE COMPOSITE SOLUTIONS CORP.	Drzal, Lawrence	COMPOSITE MATERIALS AND STRUCTURES CTR	IACMI TASK PA16-0349-3.2-02: FORD/DOW
81	\$9,954	OPTIMAL MATERIALS LLC	Drzal, Lawrence	COMPOSITE MATERIALS AND STRUCTURES CTR	BAMBOO FIBER & COMPOSITE TESTING

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82	\$141,261	SANDIA NATL LABORATORIES	Christlieb, Andrew	COMPUTATIONAL MATH SCI AND ENGR CNS	ELECTROMAGNETIC PLASMA IN RADIATION ENVIRONMENTS (EMPIRE)
83	\$230,000	NAVAL RESEARCH US OFFICE OF USDN	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	LARGE-SCALE INFORMATION FUSION FROM MULTIPLE MODALITIES
84	\$58,000	ARMY RESEARCH OFFICE U S	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	PERSON IDENTIFICATION AT A DISTANCE
85	\$20,000	FORD MOTOR COMPANY	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	A MOTION BASED HYBRID RIDER AUTHENTICATION SYSTEM USING VIDEOS FOR AUTONOMOUS CAR-SHARING
86	\$276,297	NATIONAL SCIENCE FOUNDATION	Mutka, Matt	COMPUTER SCIENCE AND ENGINEERING	DR. MATT MUTKA - IPA ASSIGNMENT WITH THE NATIONAL SCIENCE FOUNDATION (NSF)
87	\$189,887	FORD MOTOR COMPANY	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	ICE MAP CREATION FOR ROAD SURFACES
88	\$383,767	FRAUNHOFER USA	Asmussen, Jes	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER RESEARCH CENTER FOR COATING AND LASER APPLICATIONS
89	\$15,000	UNITED TECHNOLOGY RESEARCH CENTER	Bopardikar, Shaunak	ELECTRICAL AND COMPUTER ENGINEERING	TEAMING OPPORTUNITY FOR FUTURE COLLABORATIONS IN INTELLIGENT TRANSPORTATION SYSTEMS AND SMART URBAN MOBILITY
90	\$95,000	COLORADO SCHOOL OF MINES	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	AI-ENABLED ROBOTS FOR AUTOMATED NONDESTRUCTIVE EVALUATION AND REPAIR OF POWER PLANT BOILERS
91	\$65,000	CON EDISON	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	DEVELOPMENT OF MULTI-MODAL ELECTROMAGNETIC NDE METHODS FOR CFRP COMPOSITE WRAP ON CABLE PIPES
92	\$195,000	MAGNA EXTERIORS & INTERIORS CORP	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	DEFFECT DETECTION FOR BONDED THERMOPLASTICS LIFT GATE AND CARBON FIBER COMPOSITES USING NDE TECHNIQUES
93	\$300,000	TRANSPORTATION US DEPT OF	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	A NOVEL STRUCTURED LIGHT BASED SENSING AND PROBABILISTIC DIAGNOSTIC TECHNIQUE FOR PIPE INTERNAL CORROSION DETECTION AND LOCALIZATION
94	\$125,000	NAVAL RESEARCH US OFFICE OF USDN	Foster, Shanelle	ELECTRICAL AND COMPUTER ENGINEERING	3D PRINTING OF MAGNETIC CORES FOR ELECTRICAL MOTORS
95	\$44,280	STONERIDGE INC	Foster, Shanelle	ELECTRICAL AND COMPUTER ENGINEERING	CHARACTERIZATION OF RADIAL FLUX BLDC IPM MOTOR
96	\$34,335	FBSCIENCES	Han, Ming	UNIVERSITY RESEARCH ORGANIZATION	FIBER OPTIC CONDITION BASED MANAGEMENT SYSTEM

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97	\$334,876	NATL INST OF HEALTH - NIH/PHS	McGough, Robert	ELECTRICAL AND COMPUTER ENGINEERING	FAST NUMERICAL MODELING OF MEDICAL ULTRASOUND FOR THERAPY AND IMAGING
98	\$255,200	HONEYWELL CORPORATION	Papapolymerou, John	UNIVERSITY RESEARCH ORGANIZATION	MSU RADAR 2021 - CONTINUATION
99	\$25,000	GREAT LAKES FISHERIES COMMISSION	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	EXPLOITING THE UNEXPLOITED: A SMART PANEL SYSTEM FOR IN-SITU DETECTION OF ADULT SEA LAMPREY
100	\$150,000	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Zhang, Peng	ELECTRICAL AND COMPUTER ENGINEERING	UNDERSTANDING ULTRAFAST AND NANOSCALE ELECTRON EMISSION AND TRANSPORT
101	\$215,437	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
102	\$66,204	HAWORTH INC.	Bush, Tamara	MECHANICAL ENGINEERING	BIOMECHANICS ASSOCIATED WITH A NEW OFFICE CHAIR
103	\$224,500	SOLAR TURBINES	Engeda, Abraham	MECHANICAL ENGINEERING	PHASE IV: INVESTIGATION INTO THE STEADY AND TRANSIENT FLUID-DYNAMICS AND ROTOR- DYNAMICS CHARACTERISTICS OF LABYRINTH SEALS WITH SOLAR TURBINES
104	\$76,144	NATIONAL SCIENCE FOUNDATION	Grimm, Michele	MECHANICAL ENGINEERING	MICHELE GRIMM - IPA ASSIGNMENT WITH THE NATIONAL SCIENCE FOUNDATION (NSF)
105	\$118,578	OREGON STATE UNIVERSITY	Klausner, James	MECHANICAL ENGINEERING	A NOVEL ZERO LIQUID DISCHARGE WATER DESALINATION PROCESS USING HUMIDIFICATION-DEHUMIDIFICATION IN A THERMALLY-ACTUATED FLUIDIZED
106	\$40,000	NAVAL RESEARCH US OFFICE OF USDN	Mukherjee, Ranjan	MECHANICAL ENGINEERING	A NEW PARADIGM FOR GENERATING SURFACE-NORMAL FORCES FOR HULL-CLEANING ROBOTS
107	\$75,000	ARMY RESEARCH OFFICE U S	Naguib, Ahmed	MECHANICAL ENGINEERING	MECHANICAL SCIENCES - FLUID DYNAMICS: MECHANISMS OF FORCE AND MOMENT GENERATION BY THE FLOW OVER OSCILLATING RECTANGULAR CYLINDERS
108	\$160,839	NAVY US DEPARTMENT OF	Naguib, Ahmed	MECHANICAL ENGINEERING	UNSTEADY AERODYNAMICS OF AIRFOILS EMBEDDED IN CANONICAL COMPLEX FLOWS RELEVANT TO THE WAKE OF AIRCRAFT CARRIERS
109	\$214,759	NAVAL RESEARCH US OFFICE OF USDN	Yuan, Junlin	MECHANICAL ENGINEERING	SIMULATION AND MODELING OF EFFECTS OF ROUGH WALLS ON NON-EQUILIBRIUM TURBULENT BOUNDARY LAYERS

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110	\$114,826	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Zayernouri, Mohsen	COMPUTATIONAL MATH SCI AND ENGR EGR	DATA-INFUSED FRACTIONAL PDE MODELLING AND SIMULATION OF ANOMALOUS TRANSPORT
COLLEGE OF HUMAN MEDICINE					
111	\$54,647	BUTLER HOSPITAL	Johnson, Jennifer	CHM FLINT	AA LINKAGE FOR ALCOHOL ABUSING WOMEN LEAVING JAIL
112	\$5,981	BUTLER HOSPITAL	Johnson, Jennifer	HUMAN MEDICINE DEAN	AA LINKAGE FOR ALCOHOL ABUSING WOMEN LEAVING JAIL
113	\$732,252	NATL INST OF MENTAL HLTH - NIH/PHS	Johnson, Jennifer	CHM FLINT	IMPLEMENTING TO SUSTAIN: DETERMINING THE MINIMUM NECESSARY INTERVENTION TO MAINTAIN A POSTPARTUM DEPRESSION PREVENTION PROGRAM (ROSE) IN CLINICS PROVIDING PRENATAL SERVICES TO LOW-INCOME WOMEN
114	\$658,079	CITY OF FLINT	Johnson-Lawrence, Vicki	CHM FLINT	FLINT RECAST
115	\$1,198,674	ALLIANCE CORPORATION	Holmes, Denise	CHM WEST MICHIGAN	MSU-ALLIANCE TRANSLATIONAL HEALTH RESEARCH IN GRAND RAPIDS
116	\$32,400	MICHIGAN UNIVERSITY OF	Cabrera Trujillo, Laura	CTR FOR ETH & HUMANIT IN THE LIFE SCI	LATINOS PERCEPTIONS AND CONCERNS ABOUT ALZHEIMER'S DISEASE
117	\$10,000	BLUE CROSS BLUE SHIELD OF MICHIGAN FDTN.	Luo, Zhehui	EPIDEMIOLOGY AND BIOSTATISTICS	AN EVALUATION OF THE BCBSM/BCN C.L.I.M.B PILOT PROGRAM FOR OPIOID SUE DISORDERS
118	\$19,798	ALABAMA UNIV OF BIRMINGHAM	Vazquez, Ana	EPIDEMIOLOGY AND BIOSTATISTICS	TRANSLATIONAL GENOMICS OF HYPERURICEMIA
119	\$29,658	MICHIGAN UNIVERSITY OF	Morishita, Masako	FAMILY MEDICINE, DEPARTMENT OF	AIR POLLUTION AND HYPERTENSION: VASCULAR MECHANISMS
120	\$499,957	MICHIGAN HEALTH ENDOWMENT FUND	Ilardo, Joan	HUMAN MEDICINE DEAN	CARING FOR PATIENTS WITH CHRONIC CONDITIONS PROJECT: INTEGRATING INTERNAL MEDICINE PRACTICE AND COMMUNITY-BASED SERVICES FOR OLDER ADULTS WITH CHRONIC CONDITIONS
121	\$51,362	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
122	\$740,475	NATL INST OF HEALTH - NIH/PHS	Millerick May, Melissa	MEDICINE	IMPROVED METHOD FOR IDENTIFYING CAUSATIVE ANTIGEN IN HYPERSENSITIVITY PNEUMONITIS
123	\$90,340	IOWA UNIV OF	Schutte, Brian	MICROBIOLOGY & MOLECULAR GENETICS CNS	DISSECTING THE TRANSCRIPTIONAL NETWORK GOVERNING DIFFERENTIATION OF PERIDERM

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124	\$193,750	NATL INST OF HEALTH - NIH/PHS	Yu, Kefei	MICROBIOLOGY & MOLECULAR GENETICS CNS	MECHANISTIC UNDERSTANDING OF HIV-1 BROAD NEUTRALIZING ANTIBODY EVOLUTION
125	\$8,000	CALIFORNIA SAN DIEGO UNIVERSITY OF	Bozoki, Andrea	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
126	\$19,920	SPECTRUM HEALTH SYSTEMS OF GRAND RAPIDS	MacKeigan, Jeffrey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	IDENTIFYING NEUROINFLAMMATION IN GLIOBLASTOMA
127	\$139,050	FOGARTY INTL CENTER - NIH/PHS	Meghea, Cristian	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	FAMILY SMOKING CESSATION IN ROMANIA USING PREGNANCY AS A WINDOW OF OPPORTUNITY
128	\$163,660	NATL INST OF HEALTH - NIH/PHS	Meghea, Cristian	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MOBILE HEALTH INTERVENTION FOR FAMILY SMOKING CESSATION IN ROMANIA
129	\$59,408	CALIFORNIA AT SAN FRANCISCO - UNIV OF	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	INTEGRATIVE ANALYSIS OF GENOMIC, EPIGENOMIC AND PHENOTYPIC DATA FOR DISEASESTRATIFICATION OF ENDOMETRIOSIS
130	\$16,567	DARTMOUTH HITCHCOCK MEDICAL CENTER	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	SUBFERTILITY AND ASSISTED CONCEPTION STUDY OF PARENT AND CHILD HEALTH OUTCOMES
131	\$37,475	SPECTRUM HEALTH SYSTEMS OF GRAND RAPIDS	Roman, Leeanne	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	STRONG BEGINNINGS (HEALTHY START INITIATIVE - ELIMINATING RACIAL/ETHNIC DISPARITIES)
132	\$100,000	DAMON RUNYON CANCER RESEARCH FOUNDATION	Schmidt, Jens	INSTITUTE FOR QUANTITATIVE HEALTH	SINGLE MOLECULE ANALYSIS OF TELOMERASE RECRUITMENT TO TELOMERES
133	\$10,000	MICH PUBLIC HEALTH INSTITUTE	Gera, Renuka	PEDIATRICS AND HUMAN DEVELOPMENT	MIDWEST GENETICS NETWORK
134	\$54,067	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 RFVIIIIFC-VWF-XTEN (BIIB073) IN PREVIOUSLY TRE
135	\$61,158	HEMOPHILIA FOUNDATION OF MICHIGAN	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	OPERATING SUPPORT GRANT 2017-2018 FOR CENTER FOR BLEEDING AND CLOTTING DISORDER
136	\$7,765	NOVO NORDISK	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	NN7170-4345 - EVALUATION OF SAFETY FOLLOWING IMMUNE TOLERANCE INDUCTION TREATMENT WITH TUROCTOCOG ALFA IN PATIENTS WITH HAEMOPHILIA A FOLLOWING INHIBITOR DEVELOPMENT IN NN7170-4213 TRIAL

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137	\$10,431	CONATUS PHARMACEUTICALS INC.	Bailie, Marc	PHARMACOLOGY TOXICOLOGY	COMPOUND SCREENING FOR EFFICACY TEST ARTICLE IN A JO2 ANTIBODY-MEDIATED MOUSE MODEL OF ACUTE HEPATIC INJURY
138	\$40,798	LUNA INNOVATIONS	Bailie, Marc	PHARMACOLOGY TOXICOLOGY	CARBON NANOTUBE (CNT) TOLERANCE AND BIODISTRIBUTION IN MALE BALB/C MICE: ENHANCED HIV VACCINE BY CNT-ENABLED MUCOSAL DELIVERY
139	\$21,281	NACUITY PHARMACEUTICAL INC	Bailie, Marc	PHARMACOLOGY TOXICOLOGY	EVALUATION OF ANTIPLATELET EFFECTS OF NPI-001 IN A MULTI-SPECIES PLATELET AGGREGATION ASSAY (18IVF119)
140	\$49,750	SHIRE US MANUFACTURING, INC.	Bailie, Marc	PHARMACOLOGY TOXICOLOGY	SHP607 PIGLET SKIN INFUSION STUDY 18IVF120
141	\$26,844	AMER HEART ASSOCIATION	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	IDENTIFYING THE RHO/MRTF-A/SRF SIGNALING AXIS AS A NEW THERAPEUTIC TARGET FOR PULMONARY ARTERIAL HYPERTENSION
142	\$18,386	COLUMBIA UNIVERSITY	Moore, Anna	INSTITUTE FOR QUANTITATIVE HEALTH	T CELLS TO PROMOTE MIXED CHIMERISM FOR TOLERANCE TO ISLETS AND KIDNEYS FROM DECEASED AND LIVING DONORS
143	\$36,860	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	OPIOID ANALYTICS
144	\$236,218	NATL INST OF HEALTH - NIH/PHS	Bernstein, Alison	TRANSLATION SCIENCE & MOLECULAR MED	EPIGENETIC EFFECTS OF ADULT AND DEVELOPMENTAL EXPOSURE TO PARKINSONIAN TOXICANTS
145	\$10,862	VAN ANDEL RESEARCH INSTITUTE	Kanaan, Nicholas	TRANSLATION SCIENCE & MOLECULAR MED	INDUCERS OF TAU AGGREGATION
146	\$300,000	HESPEROS INC	Morgan, David	TRANSLATION SCIENCE & MOLECULAR MED	FUNCTIONAL INTEGRATED HUMAN-ON-A-CHIP SYSTEMS FOR ALZHEIMER'S RESEARCH HESPEROS
147	\$21,608	HESPEROS INC	Morgan, David	TRANSLATION SCIENCE & MOLECULAR MED	HUMAN ON A CHIP SYSTEM TO INVESTIGATE GENETIC RISK FACTORS IN ALZHEIMER'S DISEASE
148	\$8,275	NOTRE DAME UNIVERSITY OF	Morgan, David	TRANSLATION SCIENCE & MOLECULAR MED	THE ROLE OF PEPTIDYL-PROLYL ISOMERASES IN TAU-MEDIATED NEUROTOXICITY
149	\$632,262	SOUTH FLORIDA UNIV OF	Morgan, David	TRANSLATION SCIENCE & MOLECULAR MED	PREVENTING ALZHEIMER'S DISEASE WITH COGNITIVE TRAINING: THE PACT TRIAL
150	\$118,091	MICHIGAN UNIVERSITY OF	Vega, Irving	TRANSLATION SCIENCE & MOLECULAR MED	MICHIGAN CENTER FOR CONTEXTUAL FACTORS IN ALZHEIMER'S DISEASE
COLLEGE OF MUSIC					
151	\$15,000	MICHIGAN COUNCIL OF ARTS & CULTURAL AFFAIRS	Demott, Jaime	COMMUNITY MUSIC SCHOOL	MUSIC EDUCATION OUTREACH TO LOW-INCOME STUDENTS
152	\$30,500	WORTHINGTON FAMILY FOUNDATION	Helton, Melanie	MUSIC	CONTINUING THE MSU OPERA THEATRE EXPERIENCE: KEEPING THE MOMENTUM

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153	\$62,500	CHILDRENS HOSPITAL OF MICHIGAN FOUNDATION	Woodward, Jill	COMMUNITY MUSIC SCHOOL	ENHANCING THE EMOTIONAL, PHYSICAL, SOCIAL AND COGNITIVE WELL-BEING OF PEDIATRIC PATIENTS AND CAREGIVERS THROUGH MUSIC THERAPY
154	\$15,000	KNIGHT FOUNDATION	Woodward, Jill	COMMUNITY MUSIC SCHOOL	WOMEN OF JAZZ
COLLEGE OF NATURAL SCIENCE					
155	\$82,970	HUMAN FRONTIER SCIENCE PROGRAM	Dickson, Alexander	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	DEFINING THE CAPACITY OF CELLS TO KEEP THE PROTEOME FOLDED OVER SPACE AND TIME
156	\$1,223,567	NATIONAL SCIENCE FOUNDATION	Grotewold, Erich	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	RESEARCH-PGR: ELUCIDATING MAIZE GENE REGULATORY NETWORKS TO ACCELERATE TRANSLATIONAL GENOMICS
157	\$19,525	NATIONAL SCIENCE FOUNDATION	TerAvest, Michaela	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	CAREER: A NOVEL MICROBIAL ELECTROSYNTHESIS PLATFORM BUILT ON A MODEL ELECTRON TRANSFER PATHWAY
158	\$165,000	ENERGY US DEPT OF	Dantus, Marcos	CHEMISTRY	SISGR: UNDERSTANDING AND CONTROLLING STRONG-FIELD LASER INTERACTIONS WITH POLYATOMIC MOLECULES
159	\$110,000	PRINCETON UNIV	McCusker, James	CHEMISTRY	BIOINSPIRED LIGHT-ESCALATED CHEMISTRY (BIOLEC)
160	\$269,547	NATIONAL SCIENCE FOUNDATION	Merz, Kenneth	INSTITUTE FOR CYBER ENABLED RESEARCH	IRES TRACK I: ALGORITHMS AND SOFTWARE FOR SUPERCOMPUTERS WITH EMERGING ARCHITECTURES (ASSURE)
161	\$64,749	VIRGINIA POLYTECHNIC INST	Piecuch, Piotr	CHEMISTRY	EFFICIENT STOCHASTIC AND ACTIVE-SPACE CC(P;Q) APPROACHES
162	\$331,061	NATL INST OF HEALTH - NIH/PHS	Sun, Liangliang	CHEMISTRY	QUANTITATIVE PROTEOMICS OF ZEBRAFISH EMBRYOS AND BLASTOMERES
163	\$80,000	INTERNATIONAL MYELOMA FOUNDATION	Tepe, Jetze	CHEMISTRY	TARGETING C-MYC DEGRADATION TO TREAT MULTIPLE MYELOMA
164	\$60,242	IOWA UNIV OF	Bazavov, Alexei	COMPUTATIONAL MATH SCI AND ENGR CNS	FOUNDATIONS OF QUANTUM COMPUTING FOR GAUGE THEORIES AND QUANTUM GRAVITY
165	\$28,032	SPACE TELESCOPE SCIENCE INST	O'Shea, Brian	PHYSICS-ASTRONOMY	FIGURING OUT GAS & GALAXIES IN ENZO (FOGGIE): THE GAS-GALAXY CONNECTION AT Z>2
166	\$998,682	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	DEVELOPING AND PROMOTING WATER-, NUTRIENT-, AND CLIMATE-SMART TECHNOLOGIES TO HELP AGRICULTURAL SYSTEMS ADAPT TO CLIMATE AND SOCIETAL CHANGES
167	\$102,307	ALASKA UNIVERSITY OF	Freymueller, Jeffrey	EARTH AND ENVIRONMENTAL SCIENCES	EARTHSOPE NATIONAL OFFICE

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168	\$56,534	ALASKA UNIVERSITY OF	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
169	\$29,465	HIGGINS LAKE FOUNDATION	Hyndman, David	EARTH AND ENVIRONMENTAL SCIENCES	UNDERSTANDING HIGGINS LAKE WATER QUALITY ISSUES AND IDENTIFYING CONTAMINATION SOURCES
170	\$166,763	LOS ALAMOS NATL LABORATORY	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	FORMER SOVIET UNION SEISMOLOGICAL ASSISTANCE III
171	\$97,469	STATE US DEPARTMENT OF	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	EVALUATION AND SOLUTIONS TO RECOVER HISTORIC DIGITAL AND ANALOG EXPLOSION SEISMOGRAMS IN KAZAKHSTAN
172	\$62,912	STATE US DEPARTMENT OF	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	IMPROVING ANALYSIS OF EXPLOSIONS FROM THE LOP NOR NUCLEAR TEST SITE USING REGIONAL DISTANCE SEISMIC STATIONS IN KAZAKHSTAN
173	\$20,000	STATE US DEPARTMENT OF	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	CONSULTATION AND TIM WITH GEORGIAN NDC
174	\$5,447	US DEPT AGRICULTURE	Ernst, Catherine	GENETICS PROGRAM	ACQUISITION OF GOODS AND SERVICES (AGREEMENT NUMBER 58-6040-8-027)
175	\$16,501	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA - DAVIS	Meek, Mariah	INTEGRATIVE BIOLOGY	DEVELOPMENT OF SHERLOCK TECHNOLOGY FOR CHINOOK SALMON RUN TYPING
176	\$1,127,000	NATIONAL SCIENCE FOUNDATION	Hamilton, Stephen	KELLOGG BIOLOGICAL STATION NAT. SCI.	LTER: MECHANISMS OF RESILIENCE IN AGRICULTURAL LANDSCAPES
177	\$221,128	PFIZER INC	Wei, Guowei	MATHEMATICS	TOPOLOGY SURFACE BASED MACHINE LEARNING FOR DE NOVO HIT IDENTIFICATION
178	\$232,500	NATL INST OF HEALTH - NIH/PHS	Hammer, Neal	MICROBIOLOGY & MOLECULAR GENETICS CNS	EXAMINING HOST-DERIVED GLUTATHIONE AS A SULFUR SOURCE FOR STAPHYLOCOCCUS AUREUS DURING INFECTION
179	\$216,042	NAVAL RESEARCH US OFFICE OF USDN	Reguera, Gemma	MICROBIOLOGY & MOLECULAR GENETICS CNS	THE OTIC MICROBIOME AND ITS ROLE IN MIDDLE EAR DECOMPRESSION AND BAROTRAUMA PREVENTION
180	\$63,871	FERMI NATL ACCELERATOR LAB	Berz, Martin	PHYSICS-ASTRONOMY	NONLINEAR MUON BEAM DYNAMICS AND SPIN-ENERGY CORRELATIONS FOR PRECISION G-2 MEASUREMENTS
181	\$53,305	NATIONAL SCIENCE FOUNDATION	Brock, Raymond	PHYSICS-ASTRONOMY	INVESTIGATIONS IN PROTON-PROTON COLLISIONS AT THE LARGE HADRON COLLIDER
182	\$80,033	OAK RIDGE NATIONAL LAB	Couch, Sean	PHYSICS-ASTRONOMY	EXASTAR: MULTI-PHYSICS STELLAR ASTROPHYSICS SIMULATIONS AT THE EXASCALE

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183	\$16,002	NATIONAL SCIENCE FOUNDATION	DeYoung, Tyce	PHYSICS-ASTRONOMY	CONCEPTUALIZATION OF A SCALABLE CYBERINFRASTRUCTURE CENTER FOR MULTI-MESSENGER ASTROPHYSICS, PI PATRICK BRADY OF W-MILWAUKEE
184	\$37,829	THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK (SUNY)	Fisher, Wade	PHYSICS-ASTRONOMY	U.S. ATLAS PHASE-1 UPGRADES
185	\$7,987	THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK (SUNY)	Fisher, Wade	PHYSICS-ASTRONOMY	HL-LHC UPGRADE WBS 6.8.3: GLOBAL FIRMWARE
186	\$5,830	SPACE TELESCOPE SCIENCE INST	Peacock, Mark	PHYSICS-ASTRONOMY	A FAR ULTRAVIOLET STUDY OF GLOBULAR CLUSTERS IN NGC 3115
187	\$31,278	BROOKHAVEN NATL LABORATORY	Schwienhorst, Reinhard	PHYSICS-ASTRONOMY	THE UPGRADE CONSTRUCTION PROJECT (LHC ATLAS-U) FOR WBS 1.3.3 TDAQ
188	\$57,005	STONY BROOK UNIVERSITY	Schwienhorst, Reinhard	PHYSICS-ASTRONOMY	ATLAS UPGRADES FOR THE HIGH-LUMINOSITY LHC
189	\$7,649	SPECTRUM HEALTH SYSTEMS OF GRAND RAPIDS	Lydic, Todd	PHYSIOLOGY NATURAL SCIENCE	RESEARCH SERVICES AGREEMENT WITH SPECTRUM HEALTH
190	\$93,412	TEXAS MEDICAL BRANCH GALVESTON UNIV OF	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	SUPPLEMENT: SMALL MOLECULE MODULATORS OF FOSB FUNCTION
191	\$20,853	THE FIELD MUSEUM	Prather, Alan	PLANT BIOLOGY CNS	DIGITIZATION TCN: COLLABORATIVE RESEARCH: THE PTERIDOLOGICAL COLLECTIONS CONSORTIUM: AN INTEGRATIVE APPROACH TO PTERIDOPHYTE DIVERSITY OVER THE LAST 420 MILLION YEARS
192	\$32,142	UNIVERSIDAD DE CORDOBA	Kerfeld, Cheryl	PLANT RESEARCH LABORATORY NAT SCIENCE	PHOTO-CY-APPS
COLLEGE OF NURSING					
193	\$487,663	NATL INST OF HEALTH - NIH/PHS	Wyatt, Gwen	NURSING	USING SMART DESIGN TO IMPROVE SYMPTOM MANAGEMENT STRATEGIES AMONG CANCER PATIENTS
COLLEGE OF OSTEOPATHIC MEDICINE					
194	\$305,516	NATL INST OF HEALTH - NIH/PHS	Martinez Hackert, Erik	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	TGF- SIGNALING AND REGULATION: ELUCIDATING MOLECULAR MECHANISMS AND PATHOGENIC FUNCTIONS OF THE 'CO-RECEPTOR' CRIPTO-1 AND THE RECEPTOR BMPRII
195	\$407,000	MICHIGAN HEALTH ENDOWMENT FUND	Luz, Clare	FAMILY AND COMMUNITY MEDICINE	MHEF HEALTHY AGING: CAREGIVERS

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196	\$35,967	MASSACHUSETTS GENERAL HOSPITAL	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL OF URATE ELEVATING INOSINE TREATMENT TO SLOW CLINICAL DECLINE IN EARLY PARKINSON'S DISEASE (PD)
197	\$9,500	REVANCE THERAPEUTICS INC	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL GROUP, MULTI-CENTER TRIAL TO EVALUATE THE EFFICACY AND SAFETY OF A SINGLE TREATMENT OF DAXIBOTULINUMTOXINA FOR INJECTION IN ADULTS WIT
198	\$35,053	SPECTRUM HEALTH SYSTEMS OF GRAND RAPIDS	Dexheimer, Thomas	PHARMACOLOGY TOXICOLOGY	PHARMACOLOGICAL PROFILING OF PATIENT-DERIVED NEUROBLASTOMA CELLS
199	\$235,259	NATL INST OF HEALTH - NIH/PHS	Lee, Sing	PHARMACOLOGY TOXICOLOGY	IDENTIFYING THE RECEPTORS OF ENVIRONMENTALLY SENSITIVE EPOXY-EICOSANOIDS WITH AMS
200	\$70,000	THERANANO LLC	Liby, Karen	PHARMACOLOGY TOXICOLOGY	SUSTAINED DELIVERY OF PARP INHIBITORS FOR CANCER CHEMOPREVENTION
201	\$373,512	NATL INST OF HEALTH - NIH/PHS	Busik, Julia	PHYSIOLOGY NATURAL SCIENCE	DYSLIPIDEMIA AND DIABETIC RETINOPATHY
202	\$249,000	NATL INST OF HEALTH - NIH/PHS	Crandall, Shane	PHYSIOLOGY NATURAL SCIENCE	DYNAMIC PROPERTIES OF CORTICOTHALAMIC CIRCUITS
203	\$39,588	NATL INST OF BIOMEDICAL RESEARCH	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	TRAINING CAREGIVERS TO ENHANCE EARLY CHILD NEURODEVELOPMENT IN THE PREVENTION OF KONZO DISEASE FROM TOXIC CASSAVA IN THE DEMOCRATIC REPUBLIC OF CONGO
204	\$24,595	NORTH CAROLINA UNIV OF	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	UNDERSTANDING MATERNAL-FETAL ZIKA VIRUS TRANSMISSION AND ITS COMPLICATIONS IN NICARAGUA
205	\$338,810	NATL INST CHILD HEALTH & HUMAN DEV -NIH/PHS	Ezeamama, Amara	PSYCHIATRY OSTEOPATHIC MEDICINE	CAREGIVER AGE- AND HIV-ASSOCIATED NEUROCOGNITIVE DECLINE IN RELATIONSHIP TO IMPAIRED COGNITIVE DEVELOPMENT AND LONG-TERM FUNCTIONAL DEFICITS IN HIV-INFECTED AND UNINFECTED DEPENDENT CHILDREN
206	\$34,895	ARIZONA UNIVERSITY OF	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	IMPROVING INFORMAL CAREGIVERS' AND CANCER SURVIVORS' PSYCHOLOGICAL DISTRESS, SYMPTOM MANAGEMENT AND HEALTH CARE USE
207	\$13,622	ROCHESTER UNIV OF	Hammond, Colleen	RADIOLOGY OSTEOPATHIC MEDICINE	SUBAWARD FOR CHASE R01 NS094037 / UNIVERSITY OF ROCHESTER/BIRBECK

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COLLEGE OF SOCIAL SCIENCE					
208	\$123,347	TEXAS STATE UNIVERSITY	Hefner, Joe	ANTHROPOLOGY SOCIAL SCIENCE	INVESTIGATION OF SUBADULT DENTAL AGE- AT-DEATH ESTIMATION USING TRANSITION ANALYSIS
209	\$109,388	NATIONAL SCIENCE FOUNDATION	Rademaker, Kurt	ANTHROPOLOGY SOCIAL SCIENCE	CHRONOLOGY, SEASONALITY, AND INTER- ZONAL CONNECTIONS IN A TERMINAL PLEISTOCENE-EARLY HOLOCENE SETTLEMENT SYSTEM, SOUTHERN PERU
210	\$49,992	MARYLAND UNIV OF	Chermak, Steven	CRIMINAL JUSTICE	ENHANCING THE ECDB
211	\$27,452	MARYLAND UNIV OF	Chermak, Steven	CRIMINAL JUSTICE	IMPROVEMENTS, UPDATES, AND SUPPORT FOR THE TEVUS PORTAL
212	\$32,000	JUSTICE US DEPT OF	Klein, Brent	CRIMINAL JUSTICE	PATHWAYS TO SCHOOL SHOOTINGS: AN INTEGRATED DEVELOPMENTAL AND LIFE COURSE CRIMINOLOGICAL APPROACH
213	\$15,592	BLACK FAMILY DEVELOPMENT INC	McGarrell, Edmund	CRIMINAL JUSTICE	PROJECT SAFE NEIGHBORHOODS - RESEARCH PARTNER
214	\$999,981	JUSTICE US DEPT OF	McGarrell, Edmund	CRIMINAL JUSTICE	PROJECT SAFE NEIGHBORHOODS (PSN) NATIONAL TRAINING AND TECHNICAL ASSISTANCE PROGRAM FY 2018
215	\$466,769	JUSTICE US DEPT OF	Smith, Ruth	CRIMINAL JUSTICE	INVESTIGATING KINETIC AND THERMODYNAMIC APPROACHES TO PREDICT EVAPORATION OF GASOLINE AT ELEVATED TEMPERATURES FOR FIRE DEBRIS APPLICATIONS
216	\$12,141	MICHIGAN UNIVERSITY OF	Zeoli, April	CRIMINAL JUSTICE	BUILDING RESEARCH CAPACITY FOR FIREARM AMONG CHILDREN
217	\$100,000	NATL AERONAUTICS AND SPACE ADM	Chen, Jiquan	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	SOCIOECOLOGICAL CARBON PRODUCTION IN MANAGED AGRICULTURAL-FOREST LANDSCAPES
218	\$126,307	COMPUTER AID INC	Lusch, David	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	MICHIGAN STAFF AUGMENTATION MANAGEMENT PROGRAM
219	\$90,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Pearson, Amber	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	HEALTH POLICY ANALYSIS AND MAPPING
220	\$199,054	NATL INST OF HEALTH - NIH/PHS	Brophy-Herb, Holly	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	TRAJECTORIES OF TEACHER STRESS: THE ROLES OF COPING AND PRIOR EXPOSURE TO TRAUMA
221	\$970,828	US DEPT AGRICULTURE	Brophy-Herb, Holly	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	EFFECTIVENESS OF DIFFERING LEVELS OF SUPPORT FOR FAMILY MEALTIMES ON OBESITY PREVENTION AMONG HEAD START PRESCHOOLERS

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222	\$78,355	NATL INST OF HEALTH - NIH/PHS	Holtrop, Kendal	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	DETERMINING FUNCTIONAL COMPONENTS OF AN EVIDENCE-BASED PARENTING INTERVENTION
223	\$65,250	INGHAM INTERMED SCHOOL DISTRICT	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	INGHAM GREAT START READINESS PROGRAM
224	\$83,106	WAYNE STATE UNIVERSITY	Vallotton, Claire	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	RECOGNIZING, REFLECTING, AND RESPONDING TO INFANT/TODDLER CUES: AN INTEGRATED PARENT-TEACHER INTERVENTION TO SUPPORT SOCIAL-EMOTIONAL DEVELOPMENT THROUGH CAREGIVER MINDFULNESS AND SENSITIVITY
225	\$12,000	HEWLETT FOUNDATION - WILLIAM & FLORA	Grossmann, Matthew	INST FOR PUBLIC POLICY SOCIAL RESEARCH	RESEARCHING, NETWORKING, AND EXTENDING STATE POLITICAL LEADERSHIP PROGRAMS.
226	\$141,980	NAVAL RESEARCH US OFFICE OF USDN	Altmann, Erik	PSYCHOLOGY SOCIAL SCIENCE	DIFFERENTIAL AND EXPERIMENTAL STUDIES OF PROCEDURAL PERFORMANCE
227	\$739,312	NATL INST OF HEALTH - NIH/PHS	Burt, Alex	PSYCHOLOGY SOCIAL SCIENCE	MECHANISMS UNDERLYING RESILIENCE TO NEIGHBORHOOD DISADVANTAGE
228	\$417,640	JUSTICE US DEPT OF	Campbell, Rebecca	PSYCHOLOGY SOCIAL SCIENCE	EVALUATING A VICTIM NOTIFICATION PROTOCOL FOR UNTESTED SEXUAL ASSAULT KITS (SAKS): HOW DO SURVIVORS DEFINE JUSTICE YEARS AFTER AN ASSAULT?
229	\$133,334	NAVAL RESEARCH US OFFICE OF USDN	Hambrick, David	PSYCHOLOGY SOCIAL SCIENCE	PLACEKEEPING ABILITY AS A COGNITIVE CONTROL CONSTRUCT: VALIDITY AND MALLEABILITY
230	\$60,000	MPACT GLOBAL ACTION	Miller, Robin	PSYCHOLOGY SOCIAL SCIENCE	PROJECT ACT EVALUATION: HOW HUMAN RIGHTS ADVOCACY AND CAPACITY BUILDING WORKS
231	\$14,097	NATL INST OF HEALTH - NIH/PHS	Moser, Jason	PSYCHOLOGY SOCIAL SCIENCE	COGNITIVE CONTROL IN ANXIETY: THE ROLE OF OVARIAN HORMONES
232	\$168,264	INGHAM COUNTY	Sullivan, Cris	PSYCHOLOGY SOCIAL SCIENCE	INGHAM COUNTY ADOLESCENT DIVERSION PROJECT
233	\$67,000	MICH PUBLIC HEALTH INSTITUTE	Sullivan, Cris	PSYCHOLOGY SOCIAL SCIENCE	MICHIGAN VICTIM ADVOCACY NETWORK - (FEDERAL COMPETITIVE FUNDS_
234	\$34,804	CHARLES STEWART MOTT FOUNDATION	Beecher, Janice	PUBLIC UTILITIES INSTITUTE	ELECTRICITY RESIDENTIAL RATEPAYER POLICY SCAN
235	\$480,000	MICHIGAN DEPARTMENT OF HUMAN SERVICES	Anderson, Gary	SOCIAL WORK	IN-SERVICE CLASSROOM AND ONLINE TRAINING FOR CHILD WELFARE STAFF
236	\$325,000	RESEARCH FOUNDATION OF S.U.N.Y.	Anderson, Gary	SOCIAL WORK	CHILD WELFARE TRAINING: THE NATIONAL CHILD WELFARE WORKFORCE INSTITUTE
237	\$27,139	MICHIGAN DISABILITIES RIGHTS COALITION	Brock, Michele	SOCIAL WORK	YELL INCLUSION PROJECT

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238	\$7,214	TRI COUNTY OFFICE ON AGING	Brock, Michele	SOCIAL WORK	KINSHIP CARE
239	\$351,975	JUSTICE US DEPT OF	Moylan, Carrie	SOCIAL WORK	EVALUATING A WEB-BASED CRISIS HOTLINE FOR SEXUAL ASSAULT VICTIMS: DECREASING BARRIERS, INCREASING HELP-SEEKING, AND IMPROVING THE HELP-SEEKING EXPERIENCE
240	\$212,613	MICHIGAN UNIVERSITY OF	Dietz, Thomas	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	GREAT LAKES REGIONAL INTEGRATED SCIENCES AND ASSESSMENTS CENTER (GLISA)
ASC PROVOST FOR UNDERGRADUATE EDUCATION					
241	\$303,643	EDUCATION U.S. DEPT OF	Bellamy, Pamela	ADMIN SUPPORT MLK INITIATIVE	MSU TALENT SEARCH PROGRAM
242	\$725,948	EDUCATION U.S. DEPT OF	Wiggins, Aurles	SUPPORTIVE SERVICES PROGRAM	MICHIGAN STATE UNIVERSITY STUDENT SUPPORT SERVICES
COLLEGE OF VETERINARY MEDICINE					
243	\$66,581	ZOETIS	Moeser, Adam	LARGE ANIMAL CLINICAL SCIENCES	ANTI-INFLAMMATORY EFFECTS ON INTESTINAL FUNCTION IN WEANED SWINE
244	\$380,231	NATL INST OF HEALTH - NIH/PHS	Abramovitch, Robert	MICROBIOLOGY & MOLECULAR GENETICS CNS	MECHANISMS OF MYCOBACTERIUM TUBERCULOSIS PH-DRIVEN ADAPTATION
245	\$49,000	ULTRAGENYX PHARMACEUTICAL INC	Fyfe, John	MICROBIOLOGY AND MOLECULAR GENETICS CVM	TRANSLATIONAL MODEL OF GSD III
246	\$30,134	VINYL ACETATE COUNCIL	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	VINYL ACETATE: EVALUATION OF N2-ETHYL DG DNA ADDUCTS AND EPITHELIAL CELL PROLIFERATION IN NASAL AIRWAYS OF CRL:CD(SD) RATS REPEATEDLY EXPOSED TO VINYL ACETATE VAPORS
247	\$49,638	MERCK & CO INC	Hussey, Gisela	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	FEASIBILITY STUDY TO EVALUATE IF AN EHV-1 PRIME-BOOST VACCINATION WILL PROTECT HORSES AGAINST THE NEUROLOGICAL FORM OF THE DISEASE AFTER EHV-1 STRAIN AB4 CHALLENGE
248	\$440,553	NATL INST OF HEALTH - NIH/PHS	Atchison, William	PHARMACOLOGY TOXICOLOGY	ENVIRONMENTAL METALS, EXCITOTOXICITY, AND ALS
249	\$66,095	NATL INST OF HEALTH - NIH/PHS	Atchison, William	PHARMACOLOGY TOXICOLOGY	ENVIRONMENTAL METALS, EXCITOTOXICITY, AND ALS
250	\$57,972	NATL INST OF HEALTH - NIH/PHS	Atchison, William	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	FIRST TIME SUMMER RESEARCH EXPERIENCE IN ENVIRONMENTAL HEALTH SCIENCES
251	\$348,750	NATL INST OF HEALTH - NIH/PHS	Ganey, Patricia	PHARMACOLOGY TOXICOLOGY	PREDICTION OF POTENTIAL OF DRUG CANDIDATES TO CAUSE IDIOSYNCRATIC HEPATOTOXICITY

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252	\$100,000	PHRMA FOUNDATION	Lauver, Adam	PHARMACOLOGY TOXICOLOGY	EVALUATING DIFFERENCES IN THE BIOLOGICAL ACTIONS OF CLOPIDOGREL AND ITS METABOLITES
253	\$34,496	POLYACTIVA PTY LTD	Komaromy, Andras	SMALL ANIMAL CLINICAL SCIENCES	TOLERABILITY STUDIES IN DOGS: LVX RELEASING INTRACAMERAL IMPLANTS
254	\$38,296	ENBIOLOGICS LLC	Stanley, Bryden	SMALL ANIMAL CLINICAL SCIENCES	CLINICAL TRIAL WITH MICHIGAN STATE UNIVERSITY
255	\$30,334	AGRICULTURAL RESEARCH SERVICE UNITED STATES DEPARTMENT OF AGRICULTURE	Yuzbasiyan-Gurkan, Vilma	SMALL ANIMAL CLINICAL SCIENCES	RESEARCH SUPPORT AGREEMENT, 58-6040-8-019
INFORMATION TECHNOLOGY SERVICES					
256	\$1,124,261	CORPORATION FOR PUBLIC BROADCASTING	Elkins, Susi	BROADCASTING SERVICES	UNRESTRICTED 2019 CSG GRANT FOR WKAR-TV
257	\$182,121	CORPORATION FOR PUBLIC BROADCASTING	Elkins, Susi	BROADCASTING SERVICES	UNRESTRICTED CSG FUNDING FOR WKAR RADIO 2019
258	\$65,764	CORPORATION FOR PUBLIC BROADCASTING	Elkins, Susi	BROADCASTING SERVICES	RESTRICTED CSG GRANT FOR WKAR RADIO 2019
259	\$61,341	CORPORATION FOR PUBLIC BROADCASTING	Elkins, Susi	BROADCASTING SERVICES	2019 USSG RURAL SERVICES GRANT FOR WKAR-TV
260	\$21,409	CORPORATION FOR PUBLIC BROADCASTING	Elkins, Susi	BROADCASTING SERVICES	2019 CPB INTERCONNECT GRANT FOR WKAR-TV
FACILITY FOR RARE ISOTOPE BEAMS					
261	\$124,186	FERMI NATL ACCELERATOR LAB	Lund, Steven	FACILITY FOR RARE ISOTOPE BEAMS	US PARTICLE ACCELERATOR SCHOOL (USPAS) DIRECTOR
262	\$58,744	FERMI NATL ACCELERATOR LAB	Ostroumov, Peter	FACILITY FOR RARE ISOTOPE BEAMS	FNAL FELLOWSHIP FOR CRISPIN CONTRERAS
263	\$53,883,591	ENERGY US DEPT OF	Glasmacher, Thomas	FACILITY FOR RARE ISOTOPE BEAMS	FACILITY FOR RARE ISOTOPE BEAMS (FRIB)
264	\$15,000	NANOSONIC INC	Landre Ep Pellemoine, Frederiq	NAT'L SUPERCONDUCTING CYCLOTRON LAB	LONG-TERM RADIATION RUGGED ROTARY VACUUM AND WATER SEALS IN HEAVY-ION ACCELERATORS
265	\$203,000	ENERGY US DEPT OF	Nazarewicz, Witold	UNIVERSITY RESEARCH ORGANIZATION	MICROSCOPIC DESCRIPTION OF THE FISSION PROCESS
266	\$6,000,000	NATIONAL SCIENCE FOUNDATION	Sherrill, Bradley	NAT'L SUPERCONDUCTING CYCLOTRON LAB	OPERATION OF THE NSCL AS A NATIONAL USER FACILITY & RESEARCH PROGRAM
267	\$150,000	NATIONAL SCIENCE FOUNDATION	Singh, Jaideep	NAT'L SUPERCONDUCTING CYCLOTRON LAB	CAREER: OPTICAL SINGLE ATOM DETECTION FOR NUCLEAR ASTROPHYSICS

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268	\$155,952	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA - LBNL	Weisshaar, Dirk	NAT'L SUPERCONDUCTING CYCLOTRON LAB	MANAGEMENT SUPPORT WITHIN THE GRETA DETECTOR ACTIVITY
ASC PROV FOR UNIV OUTREACH & ENGAGEMENT					
269	\$5,968	NATL ENDOWMENT FOR THE HUMANITIES	Swanson, Lynne	MUSEUM	MICHIGAN STATE UNIVERSITY MUSEUM ROMANI COLLECTIONS REHOUSING PROJECT
270	\$147,937	MICHIGAN DEPT OF EDUCATION	McNall, Miles	OUTREACH & ENGAGEMENT PARTNERSHIPS	PROJECT AWARE TO ADVANCE WELLNESS AND RESILIENCE IN EDUCATION
271	\$434,892	MICHIGAN HEALTH ENDOWMENT FUND	Weinfeld, Arnold	INST FOR PUBLIC POLICY SOCIAL RESEARCH	IMPROVING MICHIGAN HEALTH POLICYMAKING
272	\$327,898	MICHIGAN DEPT OF EDUCATION	Van Egeren, Laurie	COMMUNITY EVALUATION & RSCH COLLABRTVE	2018-2019 EVALUATION OF MICHIGAN 21ST CENTURY COMMUNITY LEARNING CENTERS (9 MONTH)
INTERNATIONAL STUDIES AND PROGRAMS					
273	\$179,139	EDUCATION U.S. DEPT OF	Bresnahan, Roger	AFRICAN STUDIES CENTER	FULBRIGHT-HAYS DOCTORAL INTERNATIONAL OVERSEAS DOCTORAL DISSERTATION RESEARCH ABROAD FY2018
274	\$10,000	TINKER FOUNDATION INC	Medina, Laurie	LATIN AMERICAN STUDIES CENTER	TINKER FIELD RESEARCH GRANT PROGRAM
MSU AGBIORESEARCH					
275	\$124,000	WASHINGTON UNIVERSITY IN ST LOUIS	Latham, Keith	ANIMAL SCIENCE DEPARTMENT ANR	MATERNAL OBESITY AND CARDIOMETABOLIC HEALTH IN THE OFFSPRING
276	\$30,000	CHURCH & DWIGHT CO	Lock, Adam	ANIMAL SCIENCE DEPARTMENT ANR	RESEARCH GIFT CHURCH & DWIGHT CO, INC.
277	\$25,000	MILK SPECIALTIES COMPANY	Lock, Adam	ANIMAL SCIENCE DEPARTMENT ANR	MILK SPECIALTIES GLOBAL
278	\$22,654	AGRICULTURAL RESEARCH SERVICE UNITED STATES DEPARTMENT OF AGRICULTURE	Trottier, Nathalie	ANIMAL SCIENCE DEPARTMENT ANR	DIETARY EFFECTS ON SOW PRODUCTIVITY TO THREE PARITIES
279	\$12,000	DUPONT CROP PROTECTION	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EVALUATION OF DUPONT NEMATICIDES
280	\$6,000	MICH NURSERY AND LANDSCAPE ASSOCIATION	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	NEMATOLOGY RESEARCH & EXTENSION SPECIALIST POSITION
281	\$8,000	MORGAN COMPOSTING INC	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING COMPOST EFFECT ON NEMATODES

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282	\$49,896	FMC CORPORATION	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING FMC INSECTICIDES FOR TREE FRUIT IPM
283	\$12,500	ISK BIOSCIENCES	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING ISK INSECTICIDES FOR FRUIT IPM
284	\$42,450	LEHIGH AGRI & BIOLOGICAL SERVICES INC.	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING NICHINO INSECTICIDES FOR TREE FRUIT CROP IPM
285	\$105,420	GREAT LAKES FISHERIES COMMISSION	Bence, James	FISHERIES AND WILDLIFE	PREDATOR-PREY DYNAMICS IN THE MAIN BASIN OF LAKE HURON
286	\$27,159	GREAT LAKES FISHERIES COMMISSION	Bence, James	FISHERIES AND WILDLIFE	ASSESSING INDIVIDUAL VARIABILITY IN GROWTH RATES FOR GREAT LAKES FISH POPULATIONS
287	\$99,929	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	IMPROVING FISHERY STOCK ASSESSMENTS IN THE GREAT LAKES
288	\$18,835	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	QUANTITATIVE SUPPORT FOR INTER- JURISDICTIONAL FISHERIES MANAGEMENT ON THE GREAT LAKES
289	\$15,052	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
290	\$54,437	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Hayes, Daniel	FISHERIES AND WILDLIFE	CLARIFYING KEY UNCERTAINTIES TO SUCCESSFUL REINTRODUCTION OF ARCTIC GRAYLING IN MICHIGAN STREAMS
291	\$6,638	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Hayes, Daniel	FISHERIES AND WILDLIFE	EFFECTS OF FLOW REDUCTION ON THERMAL DYNAMICS OF STREAMS: IMPROVING AN IMPORTANT LINK IN MICHIGAN'S WATER WITHDRAWAL ASSESSMENT TOOL (WWAT)
292	\$117,059	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Infante, Dana	FISHERIES AND WILDLIFE	SUPPORT FOR REVISION OF STATE WILDLIFE ACTION PLAN
293	\$80,760	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Infante, Dana	FISHERIES AND WILDLIFE	GREAT LAKES AND INLAND GIS SUPPORT AND DEVELOPMENT FOR MICHIGAN (STATE WILDLIFE ACTION PLAN) SWAP IMPLEMENTATION MSU REF. RC104616
294	\$23,500	US GEOLOGICAL SURVEY	Infante, Dana	FISHERIES AND WILDLIFE	IMPLEMENTING THE USGS NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTER'S SCIENCE TO ACTION FELLOWSHIP
295	\$213,540	GREAT LAKES FISHERIES COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	DETERMINE THE UTILITY OF PHEROMONE ANTAGONISTS FOR SEA LAMPREY CONTROL
296	\$125,616	GREAT LAKES FISHERIES COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	STRUCTURE AND FUNCTION OF NOVEL PHEROMONES FROM SEA LAMPREY MILT

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	Amount	Donor	Director	Unit	Purpose
297	\$20,157	GREAT LAKES FISHERIES COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	SKIN CHEMORECEPTOR ACTIVATION AND MOTOR BEHAVIOR
298	\$6,000	GREAT LAKES FISHERIES COMMISSION	Scribner, Kim	FISHERIES AND WILDLIFE	IDENTIFICATION OF ADAPTIVE GENES ASSOCIATED WITH LAKE TROUT SURVIVAL AND RECRUITMENT IN DIFFERENT AND CHANGING GREAT LAKE ENVIRONMENTS
299	\$251,312	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Scribner, Kim	FISHERIES AND WILDLIFE	REHABILITATION OF LAKE STURGEON POPULATIONS IN MICHIGAN
300	\$18,627	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Scribner, Kim	FISHERIES AND WILDLIFE	BEHAVIOR OF JUVENILE LAKE STURGEON STOCKED ABOVE A HYDROPOWER DAM
301	\$10,000	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Scribner, Kim	FISHERIES AND WILDLIFE	GENETIC ANALYSES OF INLAND MICHIGAN LAKE POPULATIONS OF LAKE HERRING USING MICROSATELLITE GENOTYPING.
302	\$138,357	GREAT LAKES FISHERIES COMMISSION	Wagner, Michael	FISHERIES AND WILDLIFE	SITING AND APPLICATION CRITERIA FOR PUSH CONFIGURATION OPEN-WATER TRAPPING OF SEA LAMPREY IN RIVERS
303	\$97,901	GREAT LAKES FISHERIES 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
304	\$346,054	CENTER FOR PRODUCE SAFETY	Ryser, Elliot	FOOD SCIENCE AND HUMAN NUTRITION MABR	FATE OF DIFFERENT LISTERIA MONOCYTOGENES STRAINS ON DIFFERENT WHOLE APPLE VARIETIES DURING LONG-TERM SIMULATED COMMERCIAL STORAGE
305	\$694,492	MAINE UNIV OF	Brainard, Daniel	HORTICULTURE ANR	INTEGRATING ADVANCED CULTURAL AND MECHANICAL STRATEGIES FOR IMPROVED WEED MANAGEMENT IN ORGANIC VEGETABLES
306	\$99,970	MICH ASPARAGUS ADVISORY BOARD	Hayden, Zachary	HORTICULTURE ANR	INTEGRATED CROP MANAGEMENT AND BIORATIONAL STRATEGIES FOR SUSTAINABLE ASPARAGUS PRODUCTION.
307	\$99,423	MICH CARROT COMMITTEE	Hayden, Zachary	HORTICULTURE ANR	STRATEGIES TO PROTECT CARROT ROOT QUALITY AND MAXIMIZE MARKETABLE YIELDS
308	\$8,500	FINE AMERICAS INC	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE RESEARCH PROGRAMS.
309	\$7,500	OHP, INC.	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF FLORICULTURE RESEARCH.
310	\$24,225	AGRICULTURAL RESEARCH SERVICE UNITED STATES DEPARTMENT OF AGRICULTURE	Runkle, Erik	HORTICULTURE ANR	ENVIRONMENTAL STRATEGIES AND PGR APPLICATIONS TO INCREASE PLANT RESILIENCE
311	\$10,000	FERNLEA FLOWERS LTD	Runkle, Erik	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE RESEARCH - RUNKLE

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312	\$4,700,000	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Buhler, Douglas	MSU AGBIORESEARCH DIR OFC	WILDLIFE DISEASE GRANT
313	\$1,900,000	AGENCY FOR INTERNATL DEVELOPMENT	Pittendrigh, Barry	MSU AGBIORESEARCH DIR OFC	FEED THE FUTURE INNOVATION LAB FOR LEGUME SYSTEMS RESEARCH (ILLSR)
314	\$35,000	IOWA STATE UNIVERSITY	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	BIOLOGY AND MANAGEMENT OF SOYBEAN STEM DISEASES
315	\$14,000	MICH BEAN COMMISSION	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	INTEGRATION OF SUSTAINABLE MANAGEMENT PRACTICES ESSENTIAL FOR THE ADVANCEMENT OF MICHIGAN DRY BEAN PRODUCTION
316	\$20,000	SOUTHERN ILLINOIS UNIVERSITY	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	SEEDLING DISEASES: BIOLOGY, MANAGEMENT AND EDUCATION
317	\$25,000	UNIV OF WISCONSIN - MADISON	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	A MULTI-PRONGED APPROACH TO CONTROLLING SCLEROTINIA STEM ROT
318	\$1,500,000	AGENCY FOR INTERNATL DEVELOPMENT	Douches, David	CENTER FOR GLOBAL CONNECTIONS CGC	FEED THE FUTURE BIOTECHNOLOGY PARTNERSHIP
319	\$43,998	AGRICULTURAL RESEARCH SERVICE UNITED STATES DEPARTMENT OF AGRICULTURE	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	MANAGING FUNGICIDE RESISTANCE IN BOTRYTIS CINEREA ON WINE AND TABLE GRAPE, STRAWBERRY AND BLUEBERRY
320	\$30,000	MICH CROP IMPROVEMENT ASSOC	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPMENT OF SOFT WINTER WHEAT VARIETIES FOR MICHIGAN AND THE GREAT LAKES REGION
321	\$67,739	MICHIGAN WHEAT PROGRAM	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	GENE EDITING TECHNOLOGIES TO ENGINEER FUSARIUM HEAD BLIGHT RESISTANCE IN WHEAT
322	\$89,404	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA - DAVIS	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	NIFA-INTERNATIONAL WHEAT YIELD PARTNERSHIP PROGRAM (NIFA-IWYP)
323	\$101,000	US DEPT AGRICULTURE	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPMENT OF SCAB RESISTANT WHEAT VARIETIES FOR MICHIGAN
324	\$300,000	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	BTT EAGER: BREAKING THE WHEAT DOMESTICATION BOTTLENECK BY INTERPLOIDY HYBRIDIZATION
325	\$14,000	MICH BEAN COMMISSION	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	SCBG BEAN HEALTH PROJECT PHASE III
326	\$30,000	PURDUE UNIV	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	TAKE ACTION - MULTI STATE HERBICIDE RESISTANT CROPS AND WEEDS EDUCATIONAL PROGRAM
327	\$15,000	AGRICULTURAL RESEARCH SERVICE UNITED STATES DEPARTMENT OF AGRICULTURE	Tiedje, James	PLANT SOIL AND MICROBIAL SCIENCES	ANTIBIOTIC RESISTANCE GENE QUANTIFICATION FROM MODERN AND HISTORICAL SOILS
328	\$35,000	IOWA STATE UNIVERSITY	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	BIOLOGY AND MANAGEMENT OF SOYBEAN STEM DISEASES

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329	\$21,120	OHIO STATE UNIVERSITY	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	INCREASING THE RATE OF GENETIC GAIN FOR YIELD IN SOYBEAN BREEDING PROGRAMS
MICHIGAN STATE UNIVERSITY EXTENSION					
330	\$68,303	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Lupi, Frank	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	STATEWIDE SURVEY OF MICHIGAN'S LICENSED ANGLERS
331	\$53,258	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Lupi, Frank	FISHERIES AND WILDLIFE	PERM AGREEMENT SALARY, FRINGE & OPERATING - LUPI
332	\$132,000	CHARLES STEWART MOTT FOUNDATION	Scorsone, Eric	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CHALLENGES AND OPPORTUNITIES FACING THE FLINT CITY GOVERNMENT AND FLINT SCHOOL DISTRICT AND LESSONS FOR OTHER GREAT LAKES MID-SIZED METROPOLITAN AREAS
333	\$199,149	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Rowntree, Jason	ANIMAL SCIENCE DEPARTMENT ANR	ENHANCING HEALTHFULNESS AND DEMAND OF UPPER MIDWESTERN, LOCALLY-PRODUCED BEEF
334	\$15,946	MICHIGAN WHEAT PROGRAM	Rozeboom, Dale	ANIMAL SCIENCE DEPARTMENT ANR	FEEDING TREATED WHEAT STRAW (BENEFICIAL FIBER) TO YOUNG PIGS
335	\$10,000	OHIO STATE UNIVERSITY	Difonzo, Christina	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SOYBEAN ENTOMOLOGY RESEARCH AND EXTENSION IN THE NORTH CENTRAL REGION
336	\$346,673	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Jess, Lynnae	ENTOMOLOGY MSUE	NORTH CENTRAL INTEGRATED PEST MANAGEMENT CENTER (NCIPMC): A REGIONAL APPROACH TO PEST MANAGEMENT IMPLEMENTATION FY18-FY22
337	\$9,550	AMER FLORAL ENDOWMENT	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BIORATIONAL TREATMENTS FOR THRIPS IN GREENHOUSES
338	\$11,088	BASF CORPORATION	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	WHITEFLY & MEALYBUG PRODUCT DEVELOPMENT RESEARCH
339	\$100,000	MICHIGAN TREE FRUIT COMMISSION	Irish-Brown, Amy	EXTENSION AGRICULTURE AND AGRIBUSINESS	USING ADVANCED APPLE SORTING TECHNOLOGY TO ADVANCE THE COMPETITIVENESS OF THE MICHIGAN APPLE INDUSTRY
340	\$84,999	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Tocco, Phillip	EXTENSION AGRICULTURE AND AGRIBUSINESS	FOOD SAFETY MODERNIZATION ACT EDUCATION
341	\$73,040	MICH 4-H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	1ST QTR BILLING 4H YOUTH DEVELOPMENT
342	\$39,705	MICH 4-H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	MI 4H FOUNDATION- 2018 TSC PAPER CLOVER

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343	\$59,920	COMMUNITY FOUNDATION FOR SOUTHEAST MICHIGAN	Wojciak, Kaitlin	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	GROWING SCHOOL GARDENS THROUGH MINI-GRANTS AND CAPACITY BUILDING
344	\$261,908	MICHIGAN HEALTH ENDOWMENT FUND	Contreras, Dawn	EXTENSION HEALTH AND NUTRITION	THRIVE NETWORK: EDUCATING DEMENTIA CAREGIVERS ON WELLNESS AND SELF-CARE
345	\$7,500	SOUTH DAKOTA STATE UNIVERSITY	Contreras, Dawn	EXTENSION HEALTH AND NUTRITION	AFRI FOOD SECURITY GRANT: VOICES FOR FOOD: ACTION RESEARCH THAT BRIDGES THE GAP BETWEEN FOOD SECURITY AND HEALTH FOOD CHOICES
346	\$10,000	CLEMSON UNIVERSITY	Galdamez, Imelda	EXTENSION HEALTH AND NUTRITION	EXPANDED FOOD & NUTRITION EDUCATION WEBNEERS
347	\$12,767	WAYNE STATE UNIVERSITY	Henne, Rebecca	EXTENSION HEALTH AND NUTRITION	BUILDING HEALTHY COMMUNITIES WAYNE STATE
348	\$10,000	SCHMIDT J FRANK FAMILY CHARITABLE FDN	Cregg, Bert	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF CONATINER-GROWN SHADE TREE RESEARCH.
349	\$10,000	GLOECKNER FRED C FOUND	Owen, William	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF FLORICULTURE RESEARCH PROGRAMS.
350	\$52,200	WEGE FOUNDATION	Moore, Erin	MSUE DIRECTORS OFFICE	MSU EXTENSION - INCREASING RACIAL EQUITY AND INCLUSION THROUGH YOUTH AND ECONOMIC DEVELOPMENT, AND FOOD JUSTICE.
351	\$296,279	MISSISSIPPI STATE UNIVERSITY	Skidmore, Mark	MSUE DIRECTORS OFFICE	PARTNERSHIP AND COMMUNITY COLLABORATION TRAINING SUMMITS
352	\$266,497	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Higman, Phyllis	NATURAL FEATURES INVENTORY MSUE	FORT CUSTER SURVEYS
353	\$6,000	CELERY RESEARCH INC	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	DISEASE CONTROL ON CELERY
354	\$13,334	PICKLE PACKERS INTERNATIONAL, INC	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	A FIVE-YEAR PLAN TO IMPROVE EARLY DETECTION AND MANAGEMENT OF CUCUMBER DOWNY MILDEW
355	\$39,873	MICHIGAN WHEAT PROGRAM	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	OPTIMIZING ROW SPACING AND POPULATION DENSITY IN PRECISION PLANTED WHEAT
356	\$34,994	UNIV OF WISCONSIN - MADISON	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	BOOTS ON THE GROUND: VALIDATION OF BENCHMARKING PROCESS THROUGH AN INTEGRATED ON-FARM NETWORK
357	\$45,077	MICHIGAN WHEAT PROGRAM	Steinke, Kurt	PLANT SOIL AND MICROBIAL SCIENCES	INTENSIVE MANAGEMENT: REALIZING MAXIMUM YIELD POTENTIAL OF WINTER WHEAT YEAR 2
358	\$20,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Beyea, Wayne	SCHL OF PLANNING,DESIGN&CNST-MSUE	CLIMATE AND HEALTH COLLABORATION

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VICE PRES RESEARCH AND GRADUATE STUDIES					
359	\$45,000	DOW CHEMICAL CO FOUNDATION	Hunt, Paul	ASSOCIATE VICE PRESIDENT FOR RESEARCH	MSU STEM CENTER PROGRAM IN MIDLAND
360	\$50,466	PROJECT APIS M	Stark, Edmund	MIDLAND ST ANDREWS	ORGANIZATION AND SCALE-UP OF TIMED-RELEASE ORGANIC ACIDS FOR VARROA CONTROL
361	\$1,100,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Gage, Douglas	MSU INNOVATION CENTER	MICHIGAN STATE UNIVERSITY MTRAC AMENDMENT 1 CASE 244582
362	\$119,236	MICHIGAN UNIVERSITY OF	Hasemann, Charles	MSU INNOVATION CENTER	MICHIGAN CORPORATE RELATIONS NETWORK (MCRN) 5.0
363	\$25,000	MICHIGAN UNIVERSITY OF	Hasemann, Charles	RESEARCH & GRADUATE STUDIES VICE PRES	TECHNOLOGY TRANSFER TALENT NETWORK - 5
364	\$682,550	MSU FOUNDATION	Hsu, Stephen	RESEARCH & GRADUATE STUDIES VICE PRES	FACILITATION GRANT (RG072997)
VICE PRES FOR STUDENT AFFAIRS & SERVICES					
365	\$376,584	EDUCATION U.S. DEPT OF	Maybank, Denise	STUDENT AFFAIRS & SERVICES VICE PRES	CHILD CARE ACCESS MEANS PARENTS IN SCHOOLS (CCAMPIS) MSU SPARTAN KIDS CHILD CARE SUPPORT PROGRAM
366	\$6,964	EAST LANSING CITY OF	Rosen, Holly	STUDENT AFFAIRS & SERVICES VICE PRES	SHELTER AND SUPPORT SERVICES FOR SURVIVORS OF DOMESTIC VIOLENCE AND STALKING
GRADUATE SCHOOL DEAN					
367	\$38,769	BOSTON UNIVERSITY	Campa, Henry	GRADUATE SCHOOL DEAN	POSTDOCTORAL PATHWAYS - BROADENING ACCESS TO CAREER ADVANCEMENT
UNIVERSITY ADVANCEMENT					
368	\$26,596,808	VARIOUS DONORS - ADVANCEMENT	Heil, Marsha K S	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR THE PERIOD OCTOBER 1, 2018- DECEMBER 31, 2018

	Gift, Grant and Contract Report Board Of Trustees February 2019				
	Amount	Donor	Director	Unit	Purpose
	ADMINISTRATIVE SERVICES				
369	\$122,714	VARIOUS DONORS	Udpa, Satish	MSU FOUNDATION	QUARTERLY GIFT/GRANT TRANSFERS 7-1-2018 TO 9-31-2018
	Various				
370	\$221,565	VARIOUS	Various	Various	116 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES LESS THAN \$5000. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	\$156,797,181	Total February 2019 Board			

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
February 15, 2019

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Donald Yates Library Collection	Joanne Yates	Libraries	\$688,500.00	Research in Special Collections
2	Estonia Grand Piano Serial# 7108	Ed Miles	College of Music	\$36,380.00	To support the College of Music
3	Comic Art Collection	Michael Chaudhuri	Libraries	\$22,082.00	Research in Special Collections
4	MSU Spartan Fund mailers & postage	Spartan Graphics	Intercollegiate Athletics	\$18,017.00	Mailers to MSU donors
5	Furniture for Jenison Fieldhouse	MarxModa Joseph Marx	Intercollegiate Athletics	\$15,301.48	Office furniture
6	Air transportation	Mike McNamara	Intercollegiate Athletics	\$12,600.58	Recruiting trip for Coach Izzo
7	Equine related items	Sherry White	MSU Extension	\$10,732.00	Pawesome Pups 4-H Club
8	Thank you cards & envelopes	Spartan Graphics	Intercollegiate Athletics	\$7,595.10	Mailers to MSU donors
9	Air transportation	Mike McNamara	Intercollegiate Athletics	\$6,851.50	Recruiting trip for Coach Izzo
10	Air transportation	Mike McNamara	Intercollegiate Athletics	\$5,230.66	Recruiting trip for Coach Izzo
11	7 year old Thoroughbred mare	Kristian Tabbert	Large Animal Clinical Sciences	\$5,000.00	Dr. Rashmir SCAAEP Necropsy lab

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
February 15, 2019

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
12	Comics	Michael Pintar	Libraries	\$5,000.00	Research in Special Collections
13-70	Various	Various	Various	\$51,855.71	58 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	\$885,146.03	