

MICHIGAN STATE
U N I V E R S I T Y

APPROVED

SEPTEMBER 11, 2020

**BOARD OF TRUSTEES
MICHIGAN STATE UNIVERSITY**

August 27, 2020

MEMORANDUM

TO: Members of the Board of Trustees

FROM: Douglas Gage, Interim 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 May 21, 2020 through August 13, 2020. The report is a compilation of 678 Gifts, Grants and Contracts plus 38 consignment/Non-Cash Gifts, with a total value of \$182,510,542.



Office of
**RESEARCH &
INNOVATION**

FY 2020-21 TOTALS:

- | | |
|--|---------------|
| a) Gifts, Grants and Contracts only: | \$181,506,080 |
| b) Gifts, Grants and Contracts plus Consignments: | \$182,510,542 |
| (Consignments are Non-Cash Gifts and Non-Cash Loans) | |

RESOLUTION:

BE IT RESOLVED that the Board of Trustees approve acceptance of gifts, grants and contracts as listed in the attached report.

Douglas A. Gage, Ph.D.
Interim Vice President

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Current Period / Year to Date

Gift & Grant Awards

Meeting Date: 09/11/2020

Current Period: May 21, 2020 - Aug 13, 2020

AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$126,249,853	\$126,249,853	92.7%
State of Michigan	\$727,002	\$727,002	0.5%
Other	\$4,194,697	\$4,194,697	3.1%
Industry/CO	\$2,315,495	\$2,315,495	1.7%
Foundation	\$2,257,071	\$2,257,071	1.7%
Association	\$479,166	\$479,166	0.4%
Research - Total	\$136,223,284	\$136,223,284	100%
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$17,551,554	\$17,551,554	38.8%
State of Michigan	\$177,013	\$177,013	0.4%
Other	\$2,653,165	\$2,653,165	5.9%
Industry/CO	\$335,953	\$335,953	0.7%
Foundation	\$1,418,371	\$1,418,371	3.1%
Association	\$12,500	\$12,500	0.0%
Various Donors - Advancement	\$23,134,241	\$23,134,241	51.1%
Non-Research - Total	\$45,282,797	\$45,282,797	100%
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$143,801,406	\$143,801,406	79.2%
State of Michigan	\$904,015	\$904,015	0.5%
Other	\$6,847,863	\$6,847,863	3.8%
Industry/CO	\$2,651,448	\$2,651,448	1.5%
Foundation	\$3,675,442	\$3,675,442	2.0%
Association	\$491,666	\$491,666	0.3%
Various Donors - Advancement	\$23,134,241	\$23,134,241	12.7%
TOTAL	\$181,506,080	\$181,506,080	100%

OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	329	329	61.2%
State of Michigan	8	8	1.5%
Other	77	77	14.3%
Industry/CO	74	74	13.8%
Foundation	22	22	4.1%
Association	28	28	5.2%
Research - Total	538	538	100%
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	57	57	40.7%
State of Michigan	3	3	2.1%
Other	34	34	24.3%
Industry/CO	19	19	13.6%
Foundation	24	24	17.1%
Association	2	2	1.4%
Various Donors - Advancement	1	1	0.7%
Non-Research - Total	140	140	100%
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	386	386	56.9%
State of Michigan	11	11	1.6%
Other	111	111	16.4%
Industry/CO	93	93	13.7%
Foundation	46	46	6.8%
Association	30	30	4.4%
Various Donors - Advancement	1	1	0.1%
TOTAL	678	678	100%

Current Year / Previous Year

Gift & Grant Awards

Meeting Date: 09/11/2020

Current Period: May 21, 2020 - Aug 13, 2020

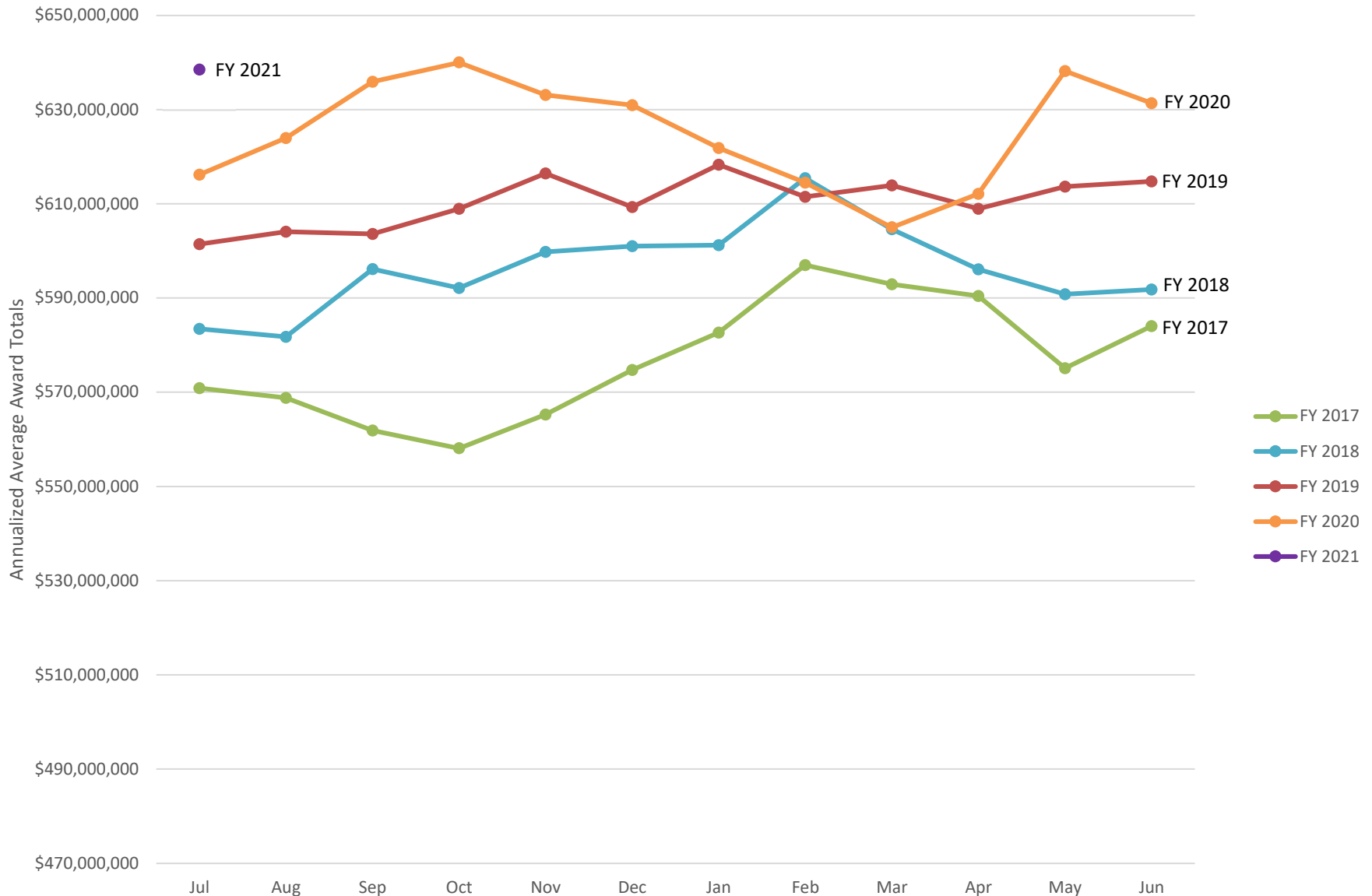
AWARD TOTALS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$76,587,274	\$126,249,853	64.8%
State of Michigan	\$1,181,220	\$727,002	-38.5%
Other	\$5,246,490	\$4,194,697	-20.0%
Industry/CO	\$2,626,781	\$2,315,495	-11.9%
Foundation	\$5,175,247	\$2,257,071	-56.4%
Association	\$714,368	\$479,166	-32.9%
Research - Total	\$91,531,380	\$136,223,284	48.8%
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$14,458,157	\$17,551,554	21.4%
State of Michigan	\$852,008	\$177,013	-79.2%
Other	\$11,319,408	\$2,653,165	-76.6%
Industry/CO	\$2,146,430	\$335,953	-84.3%
Foundation	\$4,904,813	\$1,418,371	-71.1%
Association	\$55,000	\$12,500	-77.3%
Various Donors - Advancement	\$30,787,741	\$23,134,241	-24.9%
Non-Research - Total	\$64,523,557	\$45,282,797	-29.8%
Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change
Federal Government	\$91,045,431	\$143,801,406	57.9%
State of Michigan	\$2,033,227	\$904,015	-55.5%
Other	\$16,565,898	\$6,847,863	-58.7%
Industry/CO	\$4,773,211	\$2,651,448	-44.5%
Foundation	\$10,080,060	\$3,675,442	-63.5%
Association	\$769,368	\$491,666	-36.1%
Various Donors - Advancement	\$30,787,741	\$23,134,241	-24.9%
TOTAL	\$156,054,937	\$181,506,080	16.3%

OF AWARDS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	302	329	8.9%
State of Michigan	13	8	-38.5%
Other	105	77	-26.7%
Industry/CO	59	74	25.4%
Foundation	20	22	10.0%
Association	38	28	-26.3%
Research - Total	537	538	0.2%
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	70	57	-18.6%
State of Michigan	12	3	-75.0%
Other	23	34	47.8%
Industry/CO	58	19	-67.2%
Foundation	25	24	-4.0%
Association	3	2	-33.3%
Various Donors - Advancement	1	1	0.0%
Non-Research - Total	192	140	-27.1%
Total			
Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	372	386	3.8%
State of Michigan	25	11	-56.0%
Other	128	111	-13.3%
Industry/CO	117	93	-20.5%
Foundation	45	46	2.2%
Association	41	30	-26.8%
Various Donors - Advancement	1	1	0.0%
TOTAL	729	678	-7.0%

Michigan State University 3 Year Annualized Average Awards



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

Top 10 Awards for the September 11, 2020 BOT Meeting

Rank	Sponsor Type	Award Amount	Principal Investigator	Sponsor	Department	New or Modification	Award Activity Type	Project Dates	Project Title
1	Federal Government	\$13,000,000	Thomas Glasmacher	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	03/15/2018 01/14/2023	Facility for Rare Isotope Beams Transition to Operation and Operation as Scientific User Facility
2	Federal Government	\$9,800,000	Bradley Marks	National Inst of Food & Agriculture	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	New	Research	09/01/2020 08/31/2025	Sustainable, Systems-Based Solutions for Ensuring Low-Moisture Food Safety
3	Federal Government	\$9,409,660	Douglas Landis	US Dept of Energy	GREAT LAKES BIOENERGY RESEARC CTR VPRGS	Modification	Research	12/01/2017 11/30/2022	Great Lakes Bioenergy Research Center
4	Federal Government	\$7,050,603	Rebecca Grumet	National Inst of Food & Agriculture	HORTICULTURE ANR	New	Research	09/01/2020 08/31/2024	CucCAP 2: Harnessing Genomic Resources For Disease Resistance And Management In Cucurbit Crops – Bringing The Tools To The Field
5	Federal Government	\$6,288,160	Mona Hanna-Attisha	Centers for Disease Control & Prevention	CHM FLINT	Modification	Public Service	08/01/2017 07/31/2021	Flint Lead Exposure Registry (FLEXR)
6	Federal Government	\$2,600,000	Patrick Edger	National Science Foundation	HORTICULTURE ANR	New	Research	11/01/2020 10/31/2023	RESEARCH-PGR: Genomics and epigenomics of subgenome dominance in hybrids and allopolyploids
7	Federal Government	\$2,400,000	David Tschirley	US Agency for Intl Development	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	Modification	Research	05/15/2019 05/14/2024	Feed the Future Innovation Lab for Food Security Policy Research, Capacity, and Influence
8	Federal Government	\$2,197,928	Danny Schnell	US Dept of Energy	PLANT BIOLOGY CNS	Modification	Research	09/15/2017 09/14/2022	A Systems Approach to Increasing Carbon Flux to Seed Oil for Biofuels and Bioproducts Production in Camelina sativa
9	Federal Government	\$2,125,133	Judith Stoddart	National Science Foundation	GRADUATE SCHOOL DEAN	Modification	Fellowship	08/01/2018 07/31/2023	Graduate Research Fellowship Program (GRFP)
10	Federal Government	\$2,042,215	John Wise	National Inst of Food & Agriculture	ENTOMOLOGY AGRICULTURE AND NATURAL RES	Modification	Research	08/15/2019 08/14/2021	North Central Region IR-4 Minor Crop Pest Management
	TOTAL	\$56,913,699							

Gift, Grant and Contract Report
Board of Trustees
September 2020

	Amount	Sponsor	Director	Unit	Purpose
	COLLEGE OF AGRICULTURE AND NAT RESOURCES				
1	\$66,618	MISSISSIPPI STATE UNIV	Belton, Benjamin	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	HARNESSING MACHINE LEARNING TO ESTIMATE AQUACULTURE PRODUCTION AND VALUE CHAIN PERFORMANCE IN BANGLADESH
2	\$900,000	US AGENCY FOR INTL DEVELOPMENT	Flores Navas, Luis	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	ASSOCIATE AWARD APPLICATION (RFAAA) UNDER THE FEED THE FUTURE INNOVATION LAB FOR FOOD SECURITY POLICY, AID-OAA-L-13-00001 VENEZUELA
3	\$900,000	US AGENCY FOR INTL DEVELOPMENT	Maredia, Mywish	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	AGRICULTURE AND NUTRITION POLICY ACTIVITY TANZANIA ASSOCIATE AWARD
4	\$52,088	UNIVERSITY OF MICHIGAN	Scorsone, Eric	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CITY OF DETROIT ECONOMIC AND REVENUE FORECASTING PROJECT.
5	\$2,400,000	US AGENCY FOR INTL DEVELOPMENT	Tschirley, David	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	FEED THE FUTURE INNOVATION LAB FOR FOOD SECURITY POLICY RESEARCH, CAPACITY, AND INFLUENCE
6	\$62,587	IOWA STATE UNIV	Valle de Souza, Simone	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CHOICE OF SEAFOOD: AN ANALYSIS OF THE NORTH CENTRAL REGION MARKET FOR FARM-RAISED SEAFOOD
7	\$22,500	NORTH CENTRAL REGIONAL AQUACULTURE CENTER	Valle de Souza, Simone	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	"CHOICE OF SEAFOOD: AN ANALYSIS OF THE NORTH CENTRAL REGION MARKET FOR FARM-RAISED SEAFOOD"
8	\$329,375	NATIONAL INST OF HEALTH	Chen, Chen	ANIMAL SCIENCE DEPARTMENT ANR	TUDOR DOMAIN PROTEINS IN GERMLINE GENOME DEFENSE
9	\$122,103	AMER LAMB BOARD	Ehrhardt, Richard	ANIMAL SCIENCE DEPARTMENT ANR	EVALUATING THE ENVIRONMENTAL FOOTPRINT OF U.S. SHEEP INDUSTRY
10	\$71,169	WASHINGTON UNIV IN ST LOUIS	Latham, Keith	ANIMAL SCIENCE DEPARTMENT ANR	MATERNAL OBESITY AND CARDIOMETABOLIC HEALTH IN THE OFFSPRING
11	\$78,250	NATIONAL INST OF HEALTH	Latham, Keith	ANIMAL SCIENCE DEPARTMENT ANR	CONDITIONAL KNOCKOUT EFFECTS OF SMCHD1 IN OOCYTES AND EMBRYOS
12	\$500,000	AGRICULTURE & FOOD RESEARCH INITIATIVE	Pursley, James	ANIMAL SCIENCE DEPARTMENT ANR	DELAYED TIME OF CONCEPTUS ATTACHMENT IS A KEY LIMITING FACTOR IN PREGNANCY SURVIVAL OF LACTATING DAIRY COWS

Gift, Grant and Contract Report
Board of Trustees
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	Amount	Sponsor	Director	Unit	Purpose
13	\$282,139	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Sen, Aritro	ANIMAL SCIENCE DEPARTMENT ANR	ROLE OF MEMBRANE-INITIATED ANDROGEN SIGNALING IN OVARIAN FUNCTION
14	\$500,000	NATIONAL INST OF FOOD & AGRICULTURE	Taxis, Tasia	ANIMAL SCIENCE DEPARTMENT ANR	ESTABLISHING A COMPREHENSIVE APPROACH FOR ERADICATION OF BLV: REDUCING BLV INCIDENCE IN YOUNG STOCK WHILE REMOVING SUPER-SHEDDERS FROM THE MILKING HERD
15	\$348,750	NATIONAL INST OF HEALTH	Veiga-Lopez, Almudena	ANIMAL SCIENCE DEPARTMENT ANR	PLACENTAL ADAPTIVE MECHANISMS TO ENVIRONMENTAL EXPOSURES.
16	\$176,865	NATIONAL INST OF FOOD & AGRICULTURE	Casulli, Kaitlyn	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	DEVELOPING MODEL-BASED TOOLS FOR QUANTIFYING RISK MITIGATION AND VALIDATING COMMERCIAL DRY-ROASTERS
17	\$67,486	US DEPT OF DEFENSE	Liao, Wei	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	BLACK WATER TREATMENT TESTING
18	\$9,800,000	NATIONAL INST OF FOOD & AGRICULTURE	Marks, Bradley	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	SUSTAINABLE, SYSTEMS-BASED SOLUTIONS FOR ENSURING LOW-MOISTURE FOOD SAFETY
19	\$10,000	PURDUE UNIV	Nejadhashemi, Amirpouyan	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	MIDWEST COVER CROPS COUNCIL-COVER CROP DECISION TOOL
20	\$16,000	NATIONAL SCIENCE FOUNDATION	Saffron, Christopher	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	SYMPOSIUM ON SCIENCE AND TECHNOLOGY DRIVING THE BIOECONOMY 2020
21	\$50,000	NATIONAL INST OF FOOD & AGRICULTURE	Bauchspies, Wenda	DEPARTMENT OF COMMUNITY SUSTAINABILITY	CONFERENCE: SOCIAL IMPLICATIONS OF EMERGING TECHNOLOGIES IN AGRICULTURE
22	\$99,229	FOUNDATION FOR FOOD & AGRICULTURE RESEARCH	Gray, Steven	DEPARTMENT OF COMMUNITY SUSTAINABILITY	FLINT TIPPING POINTS FUNDING: UNDERSTANDING THE EMERGENCY FOOD SYSTEM AT TIMES OF EMERGENCY
23	\$50,000	US COAST GUARD	Mahoney, Edward	DEPARTMENT OF COMMUNITY SUSTAINABILITY	NATIONAL RECREATIONAL BOATING SAFETY SURVEY
24	\$280,997	NATIONAL INST OF FOOD & AGRICULTURE	McKendree, R.	DEPARTMENT OF COMMUNITY SUSTAINABILITY	COLLABORATIVE APPROACHES TO BUILDING FOOD, AGRICULTURE, NATURAL RESOURCES, AND HUMAN SCIENCES CONTENT AND CAREER LEARNING IN URBAN MICHIGAN
25	\$91,153	RUTGERS UNIV	Chen, Zhongxiao	ENTOMOLOGY AGRICULTURE AND NATURAL RES	QUALITY ASSURANCE SERVICES AND SUPPORT FOR IR-4 MINOR USE PESTICIDES AT STATE FACILITIES IN NEW JERSEY AND ASSOCIATED LOCATIONS

Gift, Grant and Contract Report
Board of Trustees
September 2020

	Amount	Sponsor	Director	Unit	Purpose
26	\$70,000	OHIO STATE UNIV	Difonzo, Christina	ENTOMOLOGY AGRICULTURE AND NATURAL RES	PREDICTION AND MANAGEMENT OF ASIATIC GARDEN BEETLE, A PEST OF CORN AND OTHER FIELD CROPS IN THE GREAT LAKES REGION
27	\$8,098	MICHIGAN APPLE COMMITTEE	Grieshop, Matthew	ENTOMOLOGY AGRICULTURE AND NATURAL RES	COMPARISON OF RESIDUE TO UREA FOR REDUCING SPRING APPLE SCAB INOCULUM
28	\$150,000	NATIONAL RENEWABLE ENERGY LAB	Grieshop, Matthew	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BIO-INSECTICIDES FROM THERMOCHEMICAL BIOMASS CONVERSION
29	\$39,800	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Gut, Larry	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESEARCH ON EXOTIC POME AND STONE FRUIT PESTS IN MICHIGAN
30	\$25,000	MICHIGAN TREE FRUIT COMMISSION	Gut, Larry	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MTFC - STERILE INSECT RELEASE FOR MANAGING CODLING MOTH IN MI APPLES
31	\$6,500	MICHIGAN BEEKEEPERS ASSOC	Huang, Zachary	ENTOMOLOGY AGRICULTURE AND NATURAL RES	STUDYING QUEEN FLIGHT ABILITY AS A FUNCTION OF AGE AND LAYING STATUS AND UTILIZING DIGITAL SCALES TO STUDY HOW MUCH IT COSTS THE COLONY WHEN ONE OPENS A COLONY DURING A HONEY FLOW
32	\$14,588	MICHIGAN STATE HORTICULTURAL SOCIETY	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	CHEMICAL CONTROL OF GALL WASP: OPTIMIZING THE MOST PROMISING LEADS.
33	\$247,820	US Highbush Blueberry Council	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BREAKING INSECT-RELATED TRADE BARRIERS FOR THE EASTERN USA BLUEBERRY INDUSTRY
34	\$14,504	MICHIGAN STATE HORTICULTURAL SOCIETY	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MANAGING PRIORITY INSECT AND MITE PESTS OF MICHIGAN VINEYARDS
35	\$19,900	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESEARCH ON EXOTIC GRAPE PESTS IN MICHIGAN
36	\$125,000	FOREIGN AGRICULTURAL SERVICE	Jiang, Wayne	ENTOMOLOGY AGRICULTURE AND NATURAL RES	PESTICIDE RESIDUE FIELD TRIALS
37	\$212,513	NATIONAL INST OF FOOD & AGRICULTURE	Landis, Joy	ENTOMOLOGY AGRICULTURE AND NATURAL RES	INCREASING IPM ADOPTION THROUGH SCIENCE-BASED RESOURCES ADDRESSING THE CHANGING AND EMERGING NEEDS OF THE MICHIGAN GROWERS
38	\$48,700	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESEARCH ON EXOTIC FOREST PESTS IN HIGH RISK SITES IN MICHIGAN: FOCUS ON RECREATIONAL AREAS AT RISK OF EXOTIC FOREST PEST INTRODUCTION

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

	Amount	Sponsor	Director	Unit	Purpose
39	\$21,546	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.
40	\$40,134	MISSISSIPPI STATE UNIV	Pechal, Jennifer	ENTOMOLOGY AGRICULTURE AND NATURAL RES	NO LONGER BUGGED BY FEED COSTS: FARMING INSECTS AS SUSTAINABLE AND SCALABLE AQUACULTURE FEEDSTOCK TO IMPROVE CATFISH (CLARIDAE) PRODUCERS' AND CONSUMERS' LIVELIHOODS TOWARDS FOOD SECURITY IN NIGERIA
41	\$1,600,000	US AGENCY FOR INTL DEVELOPMENT	Pittendrigh, Barry	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SAWBO-RAPID SCALING PROGRAM
42	\$9,911	MICHIGAN VEGETABLE COUNCIL	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	FINDING SOLUTIONS TO MANAGING ABOVE THRESHOLD POPULATIONS OF THE ROOT-KNOT NEMATODE, MELOIDOGYNE HAPLA, IN PARSNIP (CV. PANORAMA)
43	\$45,000	USDA FOREST SERVICE	Ravlin, Bill	ENTOMOLOGY AGRICULTURE AND NATURAL RES	STUDENT LABOR AND RESEARCH SERVICES FOR RESEARCH ON EMERALD ASH BORER BIOLOGICAL CONTROL AND EAB-RESISTANT ASH SPECIES
44	\$42,000	USDA FOREST SERVICE	Ravlin, Bill	ENTOMOLOGY AGRICULTURE AND NATURAL RES	IMPACT OF ELONGATE HEMLOCK SCALE ON EASTERN HEMLOCK AND OCCURRENCE AND IMPACT OF NATURAL ENEMIES IN MICHIGAN
45	\$9,000	MICHIGAN TREE FRUIT COMMISSION	Szucs, Marianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MTFC - AUGMENTATIVE RELEASES OF THE SAMURAI WASP AGAINST BROWN MARMORATED STINK BUG
46	\$12,030	MICHIGAN APPLE COMMITTEE	Szucs, Marianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	REARING AND RELEASE OF A CLASSICAL BIOLOGICAL CONTROL AGENT, THE SAMURAI WASP AGAINST BROWN MARMORATED STINK BUGS.
47	\$454,999	NATIONAL INST OF FOOD & AGRICULTURE	Wetzel, William	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EXTREME WEATHER EVENTS AND THE SUSTAINABLE MANAGEMENT OF PESTS ON POTATO
48	\$12,056	MICHIGAN STATE HORTICULTURAL SOCIETY	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SUPPORT FOR THE ON-GOING APPLE REPLANT EXPERIMENT AT CLARKSVILLE RESEARCH CENTER
49	\$2,042,215	NATIONAL INST OF FOOD & AGRICULTURE	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	NORTH CENTRAL REGION IR-4 MINOR CROP PEST MANAGEMENT
50	\$18,000	MONSANTO CO	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING PROTOCOL AGREEMENT

Gift, Grant and Contract Report
Board of Trustees
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	Amount	Sponsor	Director	Unit	Purpose
51	\$7,900	LEHIGH AGRICULTURE & BIOLOGICAL SERVICES INC	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING NICHINO AMERICA INSECTICIDES FOR FRUIT IPM
52	\$11,000	MARRONE ORGANIC INNOVATIONS INC	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING MARRONE INSECTICIDES FOR FRUIT IPM
53	\$15,000	MICHIGAN TREE FRUIT COMMISSION	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MTFC - 2020 CONTROL OF PEAR PSYLLA WITH BIOPESTICIDES; COMPARING FOLIAR AND TRUNK INJECTION DELIVERY IN MICHIGAN PEARS
54	\$24,700	MARRONE ORGANIC INNOVATIONS INC	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING MARRONE INSECTICIDES FOR FRUIT IPM
55	\$6,000	ISK BIOSCIENCES	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING ISK INSECTICIDES FOR TREE FRUIT IPM
56	\$13,700	MARRONE ORGANIC INNOVATIONS INC	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING MARRONE INSECTICIDES FOR FRUIT IPM
57	\$24,016	GREAT LAKES FISHERY COMMISSION	Bence, James	FISHERIES AND WILDLIFE	GLFC SUPPORT FOR QFC
58	\$28,294	GREAT LAKES FISHERY COMMISSION	Brenden, Travis	FISHERIES AND WILDLIFE	GREAT LAKES FISHERY COMMISSION SUPPORT FOR THE QUANTITATIVE FISHERIES CENTER
59	\$278,945	NATIONAL SCIENCE FOUNDATION	Cheruvilil, Kendra	FISHERIES AND WILDLIFE	COLLABORATIVE PROPOSAL: MSB-FRA: A MACROSYSTEMS ECOLOGY FRAMEWORK FOR CONTINENTAL-SCALE PREDICTION AND UNDERSTANDING OF LAKES
60	\$397,016	NATIONAL SCIENCE FOUNDATION	Cheruvilil, Kendra	FISHERIES AND WILDLIFE	COLLABORATIVE RESEARCH: ECR EIE DCL: BROADENING PARTICIPATION OF UNDERREPRESENTED SCHOLARS IN ACADEMIC STEM: THE INFLUENCE OF AN INCLUSIVE CLIMATE ON EARLY-CAREER OUTCOMES
61	\$17,495	MICHIGAN DEPT OF NATURAL RESOURCES	Infante, Dana	FISHERIES AND WILDLIFE	PHASE 1: BUILDING CAPACITY FOR MIDWEST GLACIAL LAKES PARTNERSHIP CONSERVATION
62	\$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
63	\$30,000	MICHIGAN DEPT OF ENVIRONMENTAL QUALITY	Latimore, Jo	FISHERIES AND WILDLIFE	AQUATIC INVASIVE SPECIES EDUCATION
64	\$194,913	NATIONAL SCIENCE FOUNDATION	Liu, Jianguo	FISHERIES AND WILDLIFE	COMPLEX EFFECTS OF CLIMATE CHANGE ON NATURE RESERVE NETWORKS AT MACROSCALES
65	\$56,803	NEVADA DEPARTMENT OF WILDLIFE	Montgomery, Robert	FISHERIES AND WILDLIFE	USING NON-INVASIVE TECHNIQUES TO ESTIMATE THE ABUNDANCE AND OCCURRENCE OF BLACK BEARS (URSUS AMERICANUS) IN NEVADA

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66	\$81,806	INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE	Montgomery, Robert	FISHERIES AND WILDLIFE	CONSERVING WILDLIFE BY BUILDING CAPACITIES IN LOCAL HUMAN COMMUNITIES IN UGANDA
67	\$46,498	GREAT LAKES FISHERY COMMISSION	Robinson, Kelly	FISHERIES AND WILDLIFE	EVALUATING THE EFFECTS OF INCREASED PREDATOR AND COMPETITOR ABUNDANCES ON SLIMY SCULPIN POPULATIONS IN THE GREAT LAKES.
68	\$19,200	NATIONAL COUNCIL FOR AIR & STREAM IMPROVEMENT	Roloff, Gary	FISHERIES AND WILDLIFE	NON-TRADITIONAL SILVICULTURAL SYSTEMS TO RECRUIT DIVERSE NORTHERN HARDWOODS IN LANDSCAPES IMPACTED BY DEER
69	\$80,973	NATIONAL COUNCIL FOR AIR & STREAM IMPROVEMENT	Roloff, Gary	FISHERIES AND WILDLIFE	FOREST MANAGEMENT EFFECTS ON SPECIES OF CONSERVATION CONCERN: WOOD TURTLES AND GOLDEN-WINGED WARBLERS
70	\$25,202	NATIONAL 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
71	\$7,865	NATIONAL SCIENCE FOUNDATION	Soranno, Patricia	FISHERIES AND WILDLIFE	NSF IPA FOR DR. SORANNO
72	\$218,439	NATIONAL SCIENCE FOUNDATION	Soranno, Patricia	FISHERIES AND WILDLIFE	NSF IPA FOR DR. SORANNO
73	\$43,517	GREAT LAKES FISHERY COMMISSION	Vandergoot, Christopher	FISHERIES AND WILDLIFE	SPATIAL AND TEMPORAL ECOLOGY OF LAKE ERIE LAKE TROUT
74	\$157,108	GREAT LAKES FISHERY COMMISSION	Vandergoot, Christopher	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. CHRISTOPHER VANDERGOOT
75	\$31,000	SILENT SPRING INST	Carignan, Courtney	FOOD SCIENCE AND HUM NUTRITION ANR	ASSESSMENT OF PEDIATRIC IMMUNOTOXICITY, PUBLIC EDUCATION, AND CAPACITY-BUILDING IN COMMUNITIES IMPACTED BY PFAS-CONTAMINATED DRINKING WATER
76	\$461,699	NATIONAL INST OF HEALTH	Pestka, James	FOOD SCIENCE AND HUM NUTRITION ANR	DIETARY LIPIDS AND SILICA-TRIGGERED AUTOIMMUNITY
77	\$85,435	NATIONAL INST OF HEALTH	Strakovsky, Rita	FOOD SCIENCE AND HUM NUTRITION ANR	MATERNAL OBESITY AND HORMONALLY-MEDIATED MARKERS OF FETAL DEVELOPMENT
78	\$500,000	NATIONAL INST OF FOOD & AGRICULTURE	Strasburg, Gale	FOOD SCIENCE AND HUM NUTRITION ANR	TURKEY BREAST MUSCLE DEVELOPMENT: THE BIOLOGICAL RESPONSE TO THERMAL CHALLENGE IN PRODUCTION BIRDS
79	\$10,000	UNIVERSITY OF FLORIDA	Wu, Felicia	FOOD SCIENCE AND HUM NUTRITION ANR	THE HUMAN HEALTH RISK OF AFLATOXIN M1 IN DAIRY PRODUCTS
80	\$107,919	NATIONAL PARK SERVICE	Finley, Andrew	FORESTRY	ASSESSING THE FACTORS AFFECTING FOREST CONDITION ALONG THE APPALACHIAN NATIONAL SCENIC TRAIL (APPA) AND NEIGHBORING LANDS

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81	\$100,000	NATIONAL INST OF FOOD & AGRICULTURE	Kobe, Richard	FORESTRY	A REGIONAL BLENDED LEARNING MODEL TO UNDERSTAND FOREST CARBON MANAGEMENT
82	\$70,000	USDA FOREST SERVICE	Macfarlane, David	FORESTRY	DEVELOPING NEW NATIONAL TREE BIOMASS MODELS FOR THE FIA IN THE GREAT LAKES REGION
83	\$50,000	USDA FOREST SERVICE	Macfarlane, David	FORESTRY	INVESTIGATING NEW NATIONAL TREE BIOMASS MODELS FOR URBAN FIA
84	\$200,000	FORTUM POWER & HEAT OY	Nejad, Mojgan	FORESTRY	EMPLOYING FORTUM LIGNINS IN POLYURETHANE ADHESIVES AND RIGID FOAMS
85	\$5,590	MICHIGAN VEGETABLE COUNCIL	Baird, William	HORTICULTURE ANR	SURVEY OF HERBICIDE RESISTANCE IN WEEDS OF VEGETABLE CROPS
86	\$2,600,000	NATIONAL SCIENCE FOUNDATION	Edger, Patrick	HORTICULTURE ANR	RESEARCH-PGR: GENOMICS AND EPIGENOMICS OF SUBGENOME DOMINANCE IN HYBRIDS AND ALLOPOLYPLOIDS
87	\$9,999	MICHIGAN STATE HORTICULTURAL SOCIETY	Einhorn, Todd	HORTICULTURE ANR	MATCHING NEW ROOTSTOCK TRAITS (DWARFING, PRODUCTIVITY, DISEASE RESISTANCE) TO MICHIGAN NEEDS
88	\$45,310	MICHIGAN APPLE COMMITTEE	Einhorn, Todd	HORTICULTURE ANR	NEW THINNING STRATEGIES TO IMPROVE APPLE PROFITABILITY AND PREDICTABILITY
89	\$7,050,603	NATIONAL INST OF FOOD & AGRICULTURE	Grumet, Rebecca	HORTICULTURE ANR	CUCCAP 2: HARNESSING GENOMIC RESOURCES FOR DISEASE RESISTANCE AND MANAGEMENT IN CUCURBIT CROPS – BRINGING THE TOOLS TO THE FIELD
90	\$9,974	MICHIGAN STATE HORTICULTURAL SOCIETY	Lang, Gregory	HORTICULTURE ANR	OPTIMIZED STONE FRUIT PRODUCTION SYSTEMS
91	\$28,000	HORTICULTURAL RESEARCH INST	Lopez, Roberto	HORTICULTURE ANR	DEVELOPING ENVIRONMENTAL AND CULTURAL PROTOCOLS FOR THE PRODUCTION OF CONTAINERIZED SUCCULENTS IN GREENHOUSES AND NURSERIES
92	\$53,600	PROVEN WINNERS NORTH AMERICA LLC	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE RESEARCH
93	\$48,450	AGRICULTURAL RESEARCH SERVICE	Runkle, Erik	HORTICULTURE ANR	ENVIRONMENTAL STRATEGIES AND PGR APPLICATIONS TO INCREASE PLANT RESILIENCE
94	\$8,541	MICHIGAN STATE HORTICULTURAL SOCIETY	Vannocker, Steven	HORTICULTURE ANR	PRECISION CONTROL OF CROP LOAD AND ALTERNATE BEARING
95	\$16,300	MICHIGAN APPLE COMMITTEE	Vannocker, Steven	HORTICULTURE ANR	CONTROL OF CROP LOAD AND ALTERNATE BEARING IN HONEYCRISP THROUGH NOVEL PLANT GROWTH REGULATORS
96	\$499,999	NATIONAL INST OF FOOD & AGRICULTURE	Millenbah, Kelly	OFF OF ACADEMIC AND STUDENT AFFAIRS CANR	FOOD PROCESSING, TECHNOLOGY AND SAFETY WORKFORCE DEVELOPMENT: DUAL CERTIFICATE AND ASSOCIATE DEGREE PROGRAM

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97	\$90,000	MICHIGAN SUGARBEET ADVANCEMENT	Bublitz, Daniel	PLANT SOIL AND MICROBIAL SCIENCES	SUGARBEET ADVANCEMENT TO COVER SALARIES FOR SUGAR BEET ACADEMIC SPECIALIST
98	\$26,193	US DEPT OF AGRICULTURE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	INTEGRATED MANAGEMENT OF FHB AND DON IN SOFT WHITE WINTER WHEAT AND WINTER BARLEY IN MICHIGAN
99	\$18,297	NATIONAL SCIENCE FOUNDATION	Day, Robert	PLANT SOIL AND MICROBIAL SCIENCES	IPA ASSIGNMENT
100	\$763,433	NATIONAL INST OF FOOD & AGRICULTURE	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPMENT OF MULTIPURPOSE POTATO CULTIVARS WITH ENHANCED QUALITY, DISEASE AND PEST RESISTANCE IN NORTH CENTRAL REGION 2019-21
101	\$10,000	MICHIGAN TURFGRASS FOUNDATION	Frank, Kevin	PLANT SOIL AND MICROBIAL SCIENCES	2020-21 TURFGRASS RESEARCH
102	\$208,576	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Hammerschmidt, Raymond	PLANT SOIL AND MICROBIAL SCIENCES	TOMATO BROWN RUGOSE FRUIT VIRUS DIAGNOSTICS FOR APHIS SURVEY
103	\$87,944	GINSENG BOARD OF WISCONSIN	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	FIELD STRATEGIES TO INCREASE PRODUCTIVITY AND DECREASE COSTS FOR GINSENG GROWERS
104	\$76,326	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	HOSTING THE MANAGER OF THE USWBS'S NETWORKING AND FACILITATION OFFICE
105	\$119,787	NATIONAL INST OF FOOD & AGRICULTURE	Kirkwyland, Natalie	PLANT SOIL AND MICROBIAL SCIENCES	DECIPHERING THE GENETIC BASIS OF S. CHACOENSE MEDIATED COLORADO POTATO BEETLE RESISTANCE
106	\$284,509	CALIFORNIA DEPT OF FORESTRY & FIRE PROTECTION	Miesel, Jessica	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATING FOREST RESILIENCE AND CARBON RECOVERY USING A CHRONOSEQUENCE OF CO-LOCATED PRE-, ACTIVE-, AND POST-WILDFIRE MEASUREMENTS IN CALIFORNIA MIXED-CONIFER FORESTS
107	\$20,000	MICHIGAN BLUEBERRY COMMISSION	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATING EFFECTIVE MANAGEMENT STRATEGIES TO CONTROL ANTHRACNOSE FRUIT ROT IN MICHIGAN BLUEBERRIES
108	\$323,046	WASHINGTON STATE UNIV	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	FUNGICIDE RESISTANCE ASSESSMENT, MITIGATION AND EXTENSION NETWORK FOR WINE, TABLE AND RAISIN GRAPES
109	\$118,437	US DEPT OF AGRICULTURE	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPMENT OF SCAB RESISTANT WHEAT VARIETIES FOR MICHIGAN

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110	\$10,000	MICHIGAN TURFGRASS FOUNDATION	Rogers, John	PLANT SOIL AND MICROBIAL SCIENCES	2020-21 TURFGRASS RESEARCH
111	\$32,000	UNIVERSITY OF WISCONSIN MADISON	Rosenzweig, Noah	PLANT SOIL AND MICROBIAL SCIENCES	OPTIMIZING DISEASE MANAGEMENT AND YIELD IN POTATO VIA MICROBIOME-BASED PREDICTION.
112	\$360,004	INTL INST FOR TROPICAL AGRICULTURE	Snapp, Sieglinde	PLANT SOIL AND MICROBIAL SCIENCES	TRANSFORMING KEY PRODUCTION SYSTEMS: MAIZE MIXED EAST AND SOUTHERN AFRICA
113	\$6,930	MONSANTO CO	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	TESTING OF XTENDFLEX SOYBEAN STEWARDED TRAIL
114	\$24,250	MICHIGAN APPLE COMMITTEE	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	SHOOT BLIGHT MANAGEMENT WITH REDUCED RATES OF APOGEE AND ACTIGARD, AND EFFECT ON PATHOGEN MOVEMENT IN THE TREE
115	\$10,000	MICHIGAN TURFGRASS FOUNDATION	Vargas, Joseph	PLANT SOIL AND MICROBIAL SCIENCES	2020-21 TURFGRASS RESEARCH
116	\$60,000	OHIO STATE UNIV	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPING THE PERFECT MOLECULAR MARKERS AND NEW GERMPLASM FOR RAPID INCORPORATION OF RESISTANCE TO SOIL BORNE PATHOGENS OF SOYBEAN
117	\$35,000	OHIO STATE UNIV	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	INCREASING SOYBEAN GENETIC GAIN FOR YIELD BY DEVELOPING TOOLS, KNOW-HOW AND COMMUNITY AMOUNT PUBLIC BREEDERS IN THE NORTH CENTRAL US
118	\$57,959	AGRICULTURAL RESEARCH SERVICE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	ENHANCING SOYBEAN FOR RESISTANCE TO SCLEROTINIA STEM ROT
119	\$103,085	US ARMY CORPS OF ENGINEERS	Cui, Yue	SCHOOL OF PLANNING DES CONSTRUCTION ANR	ALGORITHM FOR INVENTORY AND SPATIAL ANALYSIS IN NATURAL RESOURCES MANAGEMENT, INSTITUTE FOR WATER RESOURCES
120	\$20,000	EASTERN MICHIGAN UNIV	El-Gafy, Mohamed	SCHOOL OF PLANNING DES CONSTRUCTION ANR	TRANSIT TRACTION POWER CABLES: REPLACEMENT GUIDELINES
COLLEGE OF ARTS AND LETTERS					
121	\$20,000	NONPROFIT FINANCE FUND	Fitzpatrick, Kathleen	AL RESEARCH AND SCHOLARSHIP	HUMANITIES COMMONS

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122	\$410,000	THE ANDREW W MELLON FOUNDATION	Long, Christopher	AL RESEARCH AND SCHOLARSHIP	PUBLIC PHILOSOPHY JOURNAL (PPJ) SUSTAINABILITY: FORMATIVE PEER REVIEW APPLICATION
123	\$167,111	INST OF INTL EDUCATION	Albee, Mark	ENGLISH LANGUAGE CENTER	MSU FOREIGN FULBRIGHT ENGLISH FOR GRADUATE STUDIES PROGRAM
124	\$24,266	INST OF INTL EDUCATION	Steider, Danielle	ENGLISH LANGUAGE CENTER	FULBRIGHT FOREIGN LANGUAGE TEACHING ASSISTANT ORIENTATION PROGRAM
125	\$325,000	THE ANDREW W MELLON FOUNDATION	Boyles, Christina	WRITING RHETORIC AND AMERICAN CULTURE	THE PUERTO RICO DISASTER ARCHIVE
ELI BROAD COLLEGE OF BUSINESS					
126	\$201,480	US DEPT OF THE ARMY	Frayer, David	EXECUTIVE DEVELOPMENT PROGRAMS	ARMY WORKSPACE
127	\$304,000	US DEPT OF EDUCATION	Kirca, Ahmet	INTERNATIONAL BUSINESS CENTER	CENTER FOR INTERNATIONAL BUSINESS EDUCATION RESEARCH: STRATEGIC AND SUSTAINABLE VALUE CHAINS FOR INCREASED INTERNATIONAL COMPETITIVENESS
128	\$130,000	US ARMY RESEARCH INST FOR THE BEHAVIORAL & SOCIAL SCIENCES	Morgeson, Frederick	MANAGEMENT	LEADERSHIP AS EVENT MANAGEMENT: TOWARD A CONTEXTUALIZED AND DYNAMIC THEORY OF LEADERSHIP (DOMAINS 3 & 4)
COLLEGE OF COMMUNICATION ARTS SCIENCES					
129	\$10,000	FRED ROGERS PRODUCTIONS	Elkins, Susanne	BROADCASTING SERVICES	BE MY NEIGHBOR DAY
130	\$260,205	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	CARES ACT FUNDING FOR PUBLIC TELEVISION
131	\$75,000	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	CARES ACT FUNDING FOR PUBLIC RADIO
132	\$10,160	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	READY TO LEARN TRAINING AND IMPLEMENTATION
133	\$102,196	THE CARTER CENTER	Lapinski-LaFaive, Maria	COMMUNICATION	THE CARTER CENTER – GUINEA WORM ERADICATION PROGRAM (GWEP)
134	\$199,994	NATIONAL SCIENCE FOUNDATION	Turner, Monique	COMMUNICATION	RAPID: THE IMPACT OF NORMS AND EMOTIONS ON SOCIAL DISTANCING DURING COVID-19
135	\$635,992	NATIONAL INST OF HEALTH	Walsh, Bridget	COMMUNICATIVE SCIENCES DISORDERS CAS	DEVELOPMENTAL TRAJECTORIES TO STUTTERING PERSISTENCE AND RECOVERY

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136	\$465,852	NATIONAL INST OF HEALTH	Yaruss, J Scott	COMMUNICATIVE SCIENCES DISORDERS CAS	STUTTERING IN THE REAL WORLD: QUANTIFYING VARIABILITY TO IMPROVE MEASUREMENT RELIABILITY AND VALIDITY
137	\$38,196	UNIVERSITY OF PITTSBURGH	Yaruss, J Scott	COMMUNICATIVE SCIENCES DISORDERS CAS	ATTENTIONAL CONTROL IN CHILDREN WHO STUTTER
COLLEGE OF EDUCATION					
138	\$40,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	CHILDREN'S FETAL ALCOHOL SPECTRUM DISORDER (FASD) EVALUATION
139	\$98,490	MICHIGAN REHABILITATION SERVICES	Egidio, Rhonda	COUNSELING, EDUC PSYCH & SPEC EDUC	DHS/DTMB E-LEARN SYSTEM
140	\$96,248	US DEPT OF EDUCATION	Fisher, Marisa	COUNSELING, EDUC PSYCH & SPEC EDUC	A LONGITUDINAL INVESTIGATION OF FRIENDSHIP AND BULLYING EXPERIENCES OF MIDDLE SCHOOL YOUTH WITH AND WITHOUT AUTISM SPECTRUM DISORDERS AND OTHER DISABILITIES
141	\$314,704	NATIONAL INST OF HEALTH	Linnenbrink-Garcia, Lisa	COUNSELING, EDUC PSYCH & SPEC EDUC	CONTEXTUAL FACTORS AND PSYCHOLOGICAL MECHANISMS THAT SUPPORT OR DISRUPT BIOMEDICAL CAREER PATHWAYS
142	\$19,115	DREXEL UNIV	Plavnick, Joshua	COUNSELING, EDUC PSYCH & SPEC EDUC	PREVALENCE AND PROFILE OF TREATMENT NON-RESPONDERS IN AUTISM EARLY INTERVENTION
143	\$31,416	CALIFORNIA STATE UNIVERSITY LOS ANGELES	Sung, Connie	COUNSELING, EDUC PSYCH & SPEC EDUC	COMMUNITY-BASED SOFT SKILLS AND EMPLOYMENT READINESS TRAINING PROGRAM FOR TRANSITION-AGE STUDENTS WITH INTELLECTUAL AND DEVELOPMENTAL DISABILITIES THROUGH VIRTUAL LEARNING PLATFORM
144	\$83,447	CONCORD CONSORTIUM	Krajcik, Joseph	CREATE FOR STEM	RAPID: MAKING THE TRANSITION TO ONLINE SCIENCE TEACHING AND LEARNING
145	\$163,566	VARIOUS SCHOOLS	Markle, Barbara	EDUCATION DEAN	K-12 SCHOOL IMPROVEMENT TRAINING
146	\$520,922	VARIOUS SCHOOLS	Paine, Lynn	EDUCATION DEAN	CHINESE TEACHER CERTIFICATION PROGRAM
147	\$153,516	NATIONAL OFFICE OF CHINESE LANGUAGE COUNCIL INTL HAN BAN	Paine, Lynn	EDUCATION DEAN	CONTINUATION OF THE CONFUCIUS INSTITUTE AT MICHIGAN STATE UNIVERSITY
148	\$177,000	LAURA & JOHN ARNOLD FOUNDATION	Cowen, Joshua	EDUCATION POLICY CENTER	MICHIGAN EDUCATION DATA RESEARCH CENTER
149	\$199,908	US DEPT OF EDUCATION	Imberman, Scott	EDUCATION POLICY CENTER	IMPROVING EDUCATION SYSTEMS THROUGH INTERDISCIPLINARY TRAINING AND PRACTICE: APPLYING SOCIAL SCIENCE TO EDUCATION POLICY AND IMPLEMENTATION RESEARCH
150	\$7,975	AMER INSTS FOR RESEARCH	Strunk, Katharine	EDUCATION POLICY CENTER	CALDER III - MODIFICATION 6

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151	\$72,674	RAINMAKER SOLUTIONS INC	Ferguson, David	KINESIOLOGY - ED	EVALUATION OF SIMULATED DRIVING PERFORMANCE WITH FLUIDLOGIC SYSTEM
152	\$24,611	CHRISTOPHER & DANA REEVE FOUNDATION	Hauck, Janet	KINESIOLOGY - ED	COMPETITIVE WHEELCHAIR SPORTS AT MSU
153	\$152,366	UNIVERSITY OF MICHIGAN	Pfeiffer, Karin	KINESIOLOGY - ED	THE CHAMP AFTER SCHOOL PROGRAM: PROMOTING PHYSICAL ACTIVITY & HEALTH IN CHILDREN
154	\$6,000	NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS	Bartell, Tonya	TEACHER EDUCATION	POSITIONING MARGINALIZED STUDENTS AS POWERFUL THINKERS THROUGH COMPLEX INSTRUCTION
155	\$70,000	NATIONAL ACADEMY OF EDUCATION SPENCER POSTDOCTORAL FELLOWSHIP	Watson, Vaughn	TEACHER EDUCATION	TOWARD RIGHTFUL LITERARY PRESENCE OF AFRICAN IMMIGRANT YOUTH
COLLEGE OF ENGINEERING					
156	\$161,255	COLLABORATIVE COMPOSITE SOLUTIONS CORP	Boeman, Raymond	CHEMICAL ENGINEERING AND MATERIALS SCI	COMPRESSION MOLDING SERVICES FOR IACMI-BASF
157	\$95,377	UNIVERSITY OF UTAH	Calabrese Barton, Scott	CHEMICAL ENGINEERING AND MATERIALS SCI	BIO-INSPIRED DESIGN OF ADAPTIVE CATALYSTS CASCADES
158	\$20,000	UNIVERSITY OF MICHIGAN	Calabrese Barton, Scott	CHEMICAL ENGINEERING AND MATERIALS SCI	EQUITABLY CONSEQUENTIAL MAKING AMONG YOUTH FROM HISTORICALLY MARGINALIZED COMMUNITIES
159	\$110,000	AMER CHEMICAL SOCIETY	Cheng, Shiwang	CHEMICAL ENGINEERING AND MATERIALS SCI	FAST FLOW OF ENTANGLED POLYMER MELTS UNDER HIGH STRESS SHEAR: EXPERIMENTS AND THEORIES
160	\$11,665	GREAT LAKES CRYSTAL TECHNOLOGIES INC	Garratt, Elias	CHEMICAL ENGINEERING AND MATERIALS SCI	DIAMOND MATERIALS FOR QUANTUM TECHNOLOGIES
161	\$90,000	SCION PLASMA LLC	Lunt, Richard	CHEMICAL ENGINEERING AND MATERIALS SCI	DEVELOPING A SINGLE BEAM ION SOURCE TECHNOLOGY FOR EFFICIENT MANUFACTURING OF TRANSPARENT CONDUCTIVE THIN FILMS
162	\$156,758	NATIONAL INST OF HEALTH	Szczepanski, Caroline	CHEMICAL ENGINEERING AND MATERIALS SCI	REINFORCING DENTAL ADHESIVES WITH MONOMERS CAPABLE DYNAMIC REARRANGEMENT AND SELF-RECOVERY
163	\$17,239	FORD MOTOR CO	Szczepanski, Caroline	CHEMICAL ENGINEERING AND MATERIALS SCI	MSU0172-A (2020-J055)

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164	\$144,272	US DEPT OF ENERGY	Zevalkink, Alexandra	CHEMICAL ENGINEERING AND MATERIALS SCI	TUNING ANISOTROPIC BONDING VIA CHEMISTRY AND PRESSURE IN LAYERED Pnictides and Chalcogenides
165	\$470,906	US DEPT OF ENERGY	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	SIMULATION, CHALLENGE TESTING & VALIDATION OF OCCUPANCY RECOGNITION & CO2 TECHNOLOGIES
166	\$48,000	IOWA STATE UNIV	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	TOOLKIT FOR IDENTIFICATION, CHARACTERIZATION AND ENERGY EVALUATION OF LOW-EFFICIENCY RURAL HOUSING
167	\$55,093	NATIONAL SCIENCE FOUNDATION	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	COLLABORATIVE RESEARCH: ADAPTIVE, MULTI-LAYERED FENESTRATION ELEMENTS FOR OPTIMUM BUILDING ENERGY PERFORMANCE AND OCCUPANT COMFORT
168	\$250,000	FOUNDATION FOR PAVEMENT PRESERVATION	Corley-Lay, Judith	CIVIL AND ENVIRONMENTAL ENGINEERING	SUPPORT FOR THE NATIONAL CENTER FOR PAVEMENT PRESERVATION
169	\$75,000	IOWA STATE UNIV	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	TEMPORARY TRAFFIC CONTROL DEVICES AT DRIVEWAYS WITHIN A ONE-LANE, TWO-WAY SECTION
170	\$500,106	NATIONAL CENTER FOR MANUFACTURING SCIENCE	Haq, Mahmoodul	CIVIL AND ENVIRONMENTAL ENGINEERING	CORROSION DETECTION UNDER COATINGS
171	\$50,000	AMER CHEMISTRY COUNCIL	Haq, Mahmoodul	CIVIL AND ENVIRONMENTAL ENGINEERING	NDE OF CFRP PARTS - "UK INNOVATE" TACOMA PROJECT
172	\$60,000	JET PROPULSION LABORATORY	Mantha, Phanikumar	CIVIL AND ENVIRONMENTAL ENGINEERING	MONITORING AND FORECASTING DROUGHT AND CROP YIELD FOR THE LOWER MEKONG BASIN
173	\$232,757	NATIONAL SCIENCE FOUNDATION	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	REU SITE: SOCIOMOBILITY
174	\$71,344	NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	UPDATE OF POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS GUIDANCE ON ACCELERATION/DECELERATION AND STOPPING SIGHT DISTANCE
175	\$72,892	VANASSE HANGEN BRUSTLIN INC	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	INCORPORATING IMPACTS OF DRIVER DISTRACTION INTO HIGHWAY DESIGN AND TRAFFIC ENGINEERING
176	\$378,937	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

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177	\$72,060	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Hirn, Matthew	COMPUTATIONAL MATH SCI AND ENGR EGR	MAKING QUANTUM COMPUTERS LESS NOISY AND MORE USEFUL
178	\$617,000	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Murillo, Michael	COMPUTATIONAL MATH SCI AND ENGR EGR	COMPUTATIONAL NON-IDEAL PLASMA PHYSICS
179	\$50,000	LOS ALAMOS NATL LABORATORY	Ravishankar, Saiprasad	COMPUTATIONAL MATH SCI AND ENGR EGR	METHODS FOR INVERSE PROBLEMS: MODELS, ALGORITHMS, MACHINE LEARNING, AND THEORY
180	\$100,000	NATIONAL INST OF STANDARDS & TECHNOLOGY	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	FINGERPRINT DISTORTION: MODELING AND CORRECTION
181	\$35,000	LENOVO CO	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	GENERAL RESEARCH IN BIOMETRICS
182	\$681,044	OFFICE OF NAVAL RESEARCH	Kordjamshidi, Parisa	COMPUTER SCIENCE AND ENGINEERING	A DECLARATIVE LEARNING BASED PROGRAMMING FRAMEWORK FOR INTEGRATION OF DOMAIN KNOWLEDGE AND STATISTICAL LEARNING
183	\$24,000	NATIONAL SCIENCE FOUNDATION	Liu, Kevin	COMPUTER SCIENCE AND ENGINEERING	AF: SMALL: FAST AND ACCURATE COMPUTATIONAL TOOLS FOR LARGE-SCALE EVOLUTIONARY INFERENCE: A PHYLOGENETIC NETWORK APPROACH
184	\$386,710	FACEBOOK INC	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	MANIPULATED FACE DETECTION
185	\$50,000	QUALCOMM	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	GIFT FROM QUALCOMM TO ACCOUNT RG100265
186	\$95,000	PXL VISION AG	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	TENTATIVE: DETECTING DIGITALLY MORPHED FACE IMAGES
187	\$100,000	CLARKSON UNIV	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	MEMBERSHIP SUPPORT FOR CENTER FOR IDENTIFICATION TECHNOLOGY RESEARCH (CITER)
188	\$16,000	NATIONAL SCIENCE FOUNDATION	Tan, Pang-Ning	COMPUTER SCIENCE AND ENGINEERING	FAI: FAIRNESS-AWARE ALGORITHMS FOR NETWORK ANALYSIS
189	\$33,321	NATIONAL SCIENCE FOUNDATION	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	III: SMALL: COLLABORATIVE RESEARCH: EFFECTIVE LABELED DATA GENERATION VIA GENERATIVE ADVERSARIAL LEARNING

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190	\$18,083	FORD MOTOR CO	Yan, Qiben	COMPUTER SCIENCE AND ENGINEERING	MSU0172-B (2020-J055)
191	\$224,367	NATIONAL SCIENCE FOUNDATION	Zhou, Jiayu	COMPUTER SCIENCE AND ENGINEERING	CAREER: HARNESS THE BIG DATA VIA LARGE-SCALE LIFELONG LEARNING
192	\$40,620	FRAUNHOFER USA	Asmussen, Jes	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER CENTER RENEWAL
193	\$506,510	NATIONAL SCIENCE FOUNDATION	Aviyente, Selin	ELECTRICAL AND COMPUTER ENGINEERING	CIF: SMALL: COMMUNITY DETECTION IN MULTILAYER NETWORKS WITH APPLICATIONS TO FUNCTIONAL CONNECTIVITY BRAIN NETWORKS
194	\$23,499	UNIVERSITY OF MICHIGAN	Ayres, Virginia	ELECTRICAL AND COMPUTER ENGINEERING	2020 MICHIGAN SPACE GRANT CONSORTIUM
195	\$14,141	MICHIGAN SPACE GRANT CONSORTIUM	Ayres, Virginia	ELECTRICAL AND COMPUTER ENGINEERING	MICHIGAN SPACE GRANT CONSORTIUM/MICHIGAN STATE UNIVERSITY
196	\$66,667	GREAT LAKES CRYSTAL TECHNOLOGIES INC	Baryshev, Sergey	ELECTRICAL AND COMPUTER ENGINEERING	LARGE DIFFRACTION GRADE SINGLE CRYSTAL DIAMONDS GROWN BY CVD
197	\$113,000	US DEPT OF ENERGY	Baryshev, Sergey	ELECTRICAL AND COMPUTER ENGINEERING	LIGHT AND ELECTRON EMISSION AS BREAKDOWN PROBES: SYNERGISTIC DC AND RF STUDY
198	\$93,696	HEMLOCK SEMICONDUCTOR CORP	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	PRODUCTION OF SILICON MASS IN A CHEMICAL VAPOR DEPOSITION PROCESS USING ARTIFICIAL NEURAL NETWORKS
199	\$80,000	ASSOC OF AMER RAILROADS	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	INTEGRATED MULTI-WAVE HYBRID ELECTROMAGNETIC AND ULTRASONIC SENSING FOR REAL-TIME IN-MOTION RAILS FATIGUE AND FRACTURES DETECTION
200	\$137,000	OFFICE OF NAVAL RESEARCH	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	AI-ENABLED EFFICIENT FIBER-OPTIC SENSOR/ACTUATION SYSTEM USING DEEP NEURAL NETWORKS (DNNS) AND INFORMATION FUSION
201	\$103,000	GAS TECHNOLOGY INST	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	DEVELOPMENT OF ELECTROMAGNETIC (EM) SENSING SYSTEM FOR RAPID AND HIGH ACCURACY CROSS BORES DETECTION
202	\$199,929	FORD MOTOR CO	Grotjohn, Timothy	ELECTRICAL AND COMPUTER ENGINEERING	MSU0166 (2020)

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203	\$253,000	UT BATTELLE LLC	Han, Ming	ELECTRICAL AND COMPUTER ENGINEERING	FIBER OPTIC BOLOMETER DEVELOPMENT
204	\$217,295	OFFICE OF NAVAL RESEARCH	Han, Ming	ELECTRICAL AND COMPUTER ENGINEERING	ULTRAFAST AND COMPACT FIBER-OPTIC TEMPERATURE SENSOR FOR UNMANNED UNDERWATER VEHICLES
205	\$500,573	RICE UNIV	Li, Wen	ELECTRICAL AND COMPUTER ENGINEERING	MOBILE PHONE-BASED SCREENING TOOLS TO ACCELERATE MALARIA ERADICATION
206	\$450,000	OFFICE OF NAVAL RESEARCH	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	DISTRIBUTED COORDINATION OF AERIAL SWARMS FOR HIGH-GAIN WIRELESS TRANSMISSION
207	\$17,400	SAE INTERNATIONAL	Radha, Hayder	ELECTRICAL AND COMPUTER ENGINEERING	GM/SAE AUTODRIVE CHALLENGE - RESEARCH
208	\$139,804	SEMICONDUCTOR RESEARCH CORP	Radha, Hayder	ELECTRICAL AND COMPUTER ENGINEERING	MULTISTAGE ADAPTIVE FUSION AND 4D JOINT DETECTION-AND-TRACKING FOR AUTONOMOUS VEHICLES
209	\$13,333	PRINCETON UNIV	Srivastava, Vaibhav	ELECTRICAL AND COMPUTER ENGINEERING	RESILIENCE AND ROBUSTNESS IN ECOLOGICAL DISTRIBUTED DECISION-MAKING DYNAMICS
210	\$170,000	OFFICE OF NAVAL RESEARCH	Zhang, Peng	ELECTRICAL AND COMPUTER ENGINEERING	MULTI-FREQUENCY HIGH POWER MICROWAVE GENERATION AND AMPLIFICATION VIA OPTICALLY GATED ELECTRON BEAMS
211	\$178,149	NATIONAL INST OF HEALTH	Alessio, Adam	INSTITUTE FOR QUANTITATIVE HEALTH	AUTOMATIC RIB FRACTURE DETECTION IN PEDIATRIC RADIOGRAPHY TO IDENTIFY NON-ACCIDENTAL TRAUMA
212	\$504,715	NATIONAL INST OF HEALTH	Bhattacharya, Sudin	INSTITUTE FOR QUANTITATIVE HEALTH	INTEGRATIVE TRANSCRIPTIONAL AND EPIGENOMIC MODELING OF XENOBIOTIC-ACTIVATED GENE REGULATORY NETWORKS
213	\$332,381	NATIONAL INST OF HEALTH	Gilad, Assaf	INSTITUTE FOR QUANTITATIVE HEALTH	MOLECULAR IMAGING FOR DETECTION OF SYNTHETIC BIOLOGY CIRCUITS, OSCILLATORS AND TOGGLE SWITCHES IN REGENERATIVE MEDICINE
214	\$499,882	NATIONAL SCIENCE FOUNDATION	Gilad, Assaf	INSTITUTE FOR QUANTITATIVE HEALTH	FROM SEASIDE TO BEDSIDE: EVOLUTION OF BIOLUMINESCENT GENETICALLY ENCODED NEUROTRANSMITTER INDICATORS AND ACTIVATORS FOR NEUROMODULATION
215	\$15,892	MASSACHUSETTS GENERAL HOSPITAL	Gilad, Assaf	INSTITUTE FOR QUANTITATIVE HEALTH	A CEST-MRI REPORTER GENE FOR IMAGE GUIDED ONCOLYTIC VIROTHERAPY

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216	\$658,715	NATIONAL INST OF HEALTH	Li, Wen	INSTITUTE FOR QUANTITATIVE HEALTH	MICROFABRICATED ALL-DIAMOND MICROELECTRODE ARRAYS FOR NEUROTRANSMITTER SENSING AND EXTRACELLULAR RECORDING
217	\$1,161,792	NATIONAL INST OF HEALTH	Pelled, Galit	INSTITUTE FOR QUANTITATIVE HEALTH	CIRCUIT DYNAMICS OF SENSORIMOTOR INTEGRATION AND DECISION MAKING IN OCTOPUS
218	\$515,057	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Pelled, Galit	INSTITUTE FOR QUANTITATIVE HEALTH	BIOENGINEERING A NOVEL ELECTROMAGNETIC PERSPECTIVE GENE AS A TOOL FOR WIRELESS CONTROL OF EXCITABLE CELLS
219	\$10,000	FORD MOTOR CO	Anthony, Rebecca	MECHANICAL ENGINEERING	MSU0171 (2020)
220	\$178,101	UNIVERSITY OF MICHIGAN	Baek, Seungik	MECHANICAL ENGINEERING	IMAGE-BASED MULTI-SCALE FRAMEWORK OF THE CARDIOPULMONARY SYSTEM: LONGITUDINAL CALIBRATION AND ASSESSMENT OF THERAPIES IN PEDIATRIC PULMONARY HYPERTENSION
221	\$11,937	UNIVERSITY OF MICHIGAN	Baek, Seungik	MECHANICAL ENGINEERING	IMAGE-BASED MULTI-SCALE FRAMEWORK OF THE CARDIOPULMONARY SYSTEM: LONGITUDINAL CALIBRATION AND ASSESSMENT OF THERAPIES IN PEDIATRIC PULMONARY HYPERTENSION
222	\$623,564	UNIVERSITY OF COLORADO BOULDER	Benard, Andre	MECHANICAL ENGINEERING	INFEWS/T3: ADVANCED ENERGY EFFICIENT GREENHOUSE SYSTEMS EMPLOYING SPECTRAL SPLITTING AND SOLAR WATER PURIFICATION
223	\$499,999	NATIONAL SCIENCE FOUNDATION	Gao, Tong	MECHANICAL ENGINEERING	OAC CORE: SMALL: EFFICIENT AND SCALABLE TOOLS FOR DESIGN AND ANALYSIS OF ACTIVE MATTER SYSTEMS
224	\$300,000	NATIONAL SCIENCE FOUNDATION	Grimm, Michele	MECHANICAL ENGINEERING	EAGER: ADVANCEMENT OF COMPUTATIONAL MODELING TO UNDERSTAND MECHANISMS OF NEONATAL BRACHIAL PLEXUS INJURY
225	\$89,999	LOS ALAMOS NATL LABORATORY	Jaberi, Farhad	MECHANICAL ENGINEERING	NUMERICAL SIMULATIONS OF SHOCK INTERACTIONS WITH MULTI-FLUID SHEAR TURBULENT FLOWS
226	\$753,310	US DEPT OF ENERGY	Klausner, James	MECHANICAL ENGINEERING	SOLID STATE SOLAR THERMOCHEMICAL FUEL (SOFUEL) FOR LONG DURATION STORAGE
227	\$22,000	LOS ALAMOS NATL LABORATORY	Mejia-Alvarez, Ricardo	MECHANICAL ENGINEERING	EXPERIMENTAL MEASUREMENTS OF KELVIN-HELMHOLTZ INSTABILITIES WITH HIGH VISCOSITY RATIOS
228	\$30,000	US ARMY RESEARCH OFFICE	Naguib, Ahmed	MECHANICAL ENGINEERING	SUPPLEMENTAL FUNDING: MECHANISMS OF FORCE AND MOMENT GENERATION BY THE FLOW OVER OSCILLATING RECTANGULAR CYLINDERS
229	\$110,000	AMER CHEMICAL SOCIETY	Toulson, Elisa	MECHANICAL ENGINEERING	IGNITION DELAY TIMES AND LAMINAR FLAME SPEEDS OF ADDITIVE-GASOLINE BLENDS
230	\$20,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Wichman, Indrek	MECHANICAL ENGINEERING	DEVELOPING THE NARROW CHANNEL APPARATUS AS A NASA STANDARD MATERIAL FLAMMABILITY TEST
231	\$60,000	US ARMY RESEARCH OFFICE	Zayernouri, Mohsen	MECHANICAL ENGINEERING	A STOCHASTIC FRACTIONAL MODELING FRAMEWORK FOR DESIGN OF NEW FUNCTIONAL MATERIALS

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	COLLEGE OF HUMAN MEDICINE				
232	\$5,500	GLAXOSMITHKLINE	Cole, Craig	CANCER CENTER	PHASE I/II OPEN LABEL DOSE ESCALATION & EXPANSION STUDY TO EVALUATE SAFETY TOLERABILITY & CLINICAL ACTIVITY OF THE ANTIBODY DRUG CONJUGATE GSK2857916 ADMINISTERED IN COMBINATION WITH LENALIDOMIDE
233	\$32,278	GLAXOSMITHKLINE	Cole, Craig	CANCER CENTER	PHASE I/II OPEN LABEL DOSE ESCALATION & EXPANSION STUDY TO EVALUATE SAFETY TOLERABILITY & CLINICAL ACTIVITY OF THE ANTIBODY DRUG CONJUGATE GSK2857916 ADMINISTERED IN COMBINATION WITH LENALIDOMIDE
234	\$14,545	INCYTE CORP	Hrinczenko, Borys	CANCER CENTER	PROSPECTIVE, LONGITUDINAL, NON-INTERVENTIONAL STUDY OF DISEASE BURDEN AND TREATMENT OF PATIENTS WITH LOW-RISK MYELOFIBROSIS (MF) OR HIGH-RISK ESSENTIAL THROMBOCYTHEMIA(ET) OR ET PATIENTS RECEIVING ET-
235	\$22,090	NATIONAL SURGICAL ADJUVANT BREAST & BOWEL PROJECT FOUNDATION	Rana, Jatin	CANCER CENTER	B-59 /GBG 96 GEPARDOUZZA RANDOMIZED, DOUBLE-BLIND, PHASE III CLINICAL TRIAL OF NEOADJUVANT CHEMOTHERAPY WITH ATEZOLIZUMAB OR PLACEBO
236	\$40,000	STEPHANIE H. & DAVID A. SPINA FAMILY FOUNDATION	Custack, Amy	CHM FLINT	FLINT KIDS BAKE: A HEALTHY BAKING PROGRAM JUST FOR KIDS
237	\$26,720	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
238	\$6,288,160	CENTERS FOR DISEASE CONTROL & PREVENTION	Hanna-Attisha, Mona	CHM FLINT	FLINT LEAD EXPOSURE REGISTRY (FLEXR)
239	\$730,923	GENESEE COUNTY HEALTH DEPT	Hanna-Attisha, Mona	CHM FLINT	ADDRESSING AND PREVENTING LEAD EXPOSURE THROUGH HEALTHY START
240	\$25,000	PNC FOUNDATION	Hanna-Attisha, Mona	CHM FLINT	COVID-19 PEDIATRIC PUBLIC HEALTH INITIATIVE
241	\$177,404	NATIONAL HEART LUNG & BLOOD INST	Neighbors, Harold	CHM FLINT	THE RESEARCH TO REDUCE DISPARITIES IN DISEASE (R2D2)
242	\$436,427	NEW YORK UNIV SCHOOL OF MEDICINE	O'Connell, Lauren	CHM FLINT	UNIVERSAL STRENGTHS-BASED PARENTING SUPPORT IN PEDIATRIC HEALTH CARE FOR FAMILIES WITH VERY YOUNG CHILDREN FOLLOWING THE FLINT WATER CRISIS
243	\$50,524	MUNSON MEDICAL CENTER	Kerver, Jean	EPIDEMIOLOGY AND BIOSTATISTICS	CORE: COMMUNITY OPIOID RECOVERY EXPANSION
244	\$147,416	UNIVERSITY OF FLORIDA	Li, Chenxi	EPIDEMIOLOGY AND BIOSTATISTICS	METHODS AND SOFTWARE FOR HIGH-DIMENSIONAL RISK PREDICTION RESEARCH
245	\$389,683	NATIONAL INST OF HEALTH	Margerison, Claire	EPIDEMIOLOGY AND BIOSTATISTICS	POLICY CHANGE AND WOMEN'S HEALTH
246	\$33,774	UNIVERSITY OF CENTRAL FLORIDA	Misra, Dawn	EPIDEMIOLOGY AND BIOSTATISTICS	SOCIAL STRESSORS AND INFLAMMATION: A MIXED METHODS APPROACH TO PRETERM BIRTH

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247	\$44,000	MAYO CLINIC	Paneth, Nigel	EPIDEMIOLOGY AND BIOSTATISTICS	SUPPORT FOR THE CCPP19.ORG WEBSITE
248	\$71,300	PIG IMPROVEMENT CO	de los Campos, Gustavo	EPIDEMIOLOGY AND BIOSTATISTICS	DATA-ANALYSIS TOOLS AND PIPELINES FOR PHENOTYPIC AND GENETIC ANALYSES OF METABOLOMIC PROFILES
249	\$196,569	HEALTH RESOURCES & SERVICES ADMINISTRATION	Edwards-Johnson, Jennifer	FAMILY MEDICINE, DEPARTMENT OF	DEVELOPMENT OF A CURRICULUM IN PRIMARY CARE OF UNDERSERVED PATIENTS
250	\$572,309	NATIONAL INST OF HEALTH	Morishita, Masako	FAMILY MEDICINE, DEPARTMENT OF	REDUCING PARTICULATE MATTER-ASSOCIATED CARDIOVASCULAR HEALTH EFFECTS FOR SENIORS
251	\$682,882	HEALTH RESOURCES & SERVICES ADMINISTRATION	Lipscomb, Wanda	HUMAN MEDICINE DEAN	CENTERS OF EXCELLENCE.
252	\$232,632	GLADIATOR BIOSCIENCES	Zinn, Kurt	INSTITUTE FOR QUANTITATIVE HEALTH	MATERIALS TRANSFER AGREEMENT
253	\$167,929	NATIONAL INST OF HEALTH	Crockett-Torabi, Elahe	MEDICINE	RESEARCH EDUCATION PROGRAM TO INCREASE DIVERSITY IN HEALTH-RELATED RESEARCH
254	\$22,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rosenman, Kenneth	MEDICINE	ADULT BLOOD LEAD EPIDEMIOLOGY AND SURVEILLANCE (ABLES) PROGRAM FY20 MASTER AGREEMENT
255	\$685,000	NATIONAL INST FOR OCCUPATIONAL SAFETY & HEALTH	Rosenman, Kenneth	MEDICINE	EXPANDED PROGRAM IN OCCUPATIONAL INJURY AND ILLNESS SURVEILLANCE
256	\$195,625	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Chandler, Ronald	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	ROLE OF CHROMATIN REMODELING AND CELL SIGNALING IN ENDOMETRIOSIS ETIOLOGY
257	\$243,247	NATIONAL INST OF HEALTH	Drewlo, Sascha	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	THE ROLE OF PPAR IN HUMAN PLACENTAL DEVELOPMENT AND PREECLAMPSIA
258	\$319,436	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Fazleabas, Asgerally	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MODULATION OF THE RECEPTIVE ENDOMETRIUM AND DECIDUALIZATION BY NOTCH
259	\$486,036	NATIONAL INST OF HEALTH	Luke, Barbara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	ASSISTED REPRODUCTION AND CHILD HEALTH: RISK OF BIRTH DEFECTS, MORTALITY, AND EFFECT ON GRADE SCHOOL PERFORMANCE
260	\$41,871	DARTMOUTH HITCHCOCK MEDICAL CENTER	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	SUBFERTILITY AND ASSISTED CONCEPTION STUDY OF PARENT AND CHILD HEALTH OUTCOMES

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261	\$69,917	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	INTEGRATIVE ANALYSIS OF GENOMIC, EPIGENOMIC AND PHENOTYPIC DATA FOR DISEASESTRATIFICATION OF ENDOMETRIOSIS
262	\$213,974	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	HARNESSING BIOMARKER AND PHENOTYPIC DIVERSITY AMONG ADOLESCENTS AND WOMEN WITH ENDOMETRIOSIS TO ADVANCE PERSONALIZED MEDICINE FOR DIAGNOSIS AND PAIN REMEDIATION
263	\$118,743	BOSTON CHILDRENS HOSPITAL	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	THE BOSTON CENTER FOR ENDOMETRIOSIS / WOMEN'S HEALTH STUDY: FROM ADOLESCENCE TO ADULTHOOD
264	\$634,434	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Roman, Leeanne	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	STRONG BEGINNINGS: CARE IMPROVEMENT FOR AFRICAN AMERICAN AND LATINA WOMEN
265	\$258,792	NATIONAL INST OF HEALTH	Teixeira, Jose	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	STEM CELL EPIGENETICS IN UTERINE FIBROIDS
266	\$50,000	CONQUER CANCER THE ASCO FOUNDATION	Agresta, Laura	PEDIATRICS AND HUMAN DEVELOPMENT	PHASE I STUDY OF VENETOCLAX COMBINED WITH VYXEOS FOR CHILDREN, ADOLESCENTS AND YOUNG ADULTS WITH RELAPSED OR REFRACTORY ACUTE LEUKEMIA
267	\$413,916	NATIONAL INST OF HEALTH	Chen, Bin	PEDIATRICS AND HUMAN DEVELOPMENT	REPURPOSE OPEN DATA TO DISCOVER THERAPEUTICS FOR UNDERSTUDIED DISEASES
268	\$10,820	BIOOVERATIV THERAPEUTICS INC	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	242HA201: A PROSPECTIVE STUDY IN SUBJECTS WITH SEVERE HEMOPHILIA A WHO ARE CURRENTLY RECEIVING A MARKETING FVIII THERAPY
269	\$9,570	UNIVERSITY OF SOUTHERN CALIFORNIA	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	COSTS OF ILLNESS AND IMPACT OF VON WILLEBRAND DISEASE: A PILOT STUDY (HUGS VWD)
270	\$250,000	CASCADE HEMOPHILIA CONSORTIUM	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	CASCADE HEMOPHILIA CONSORTIUM
271	\$60,000	HEMOPHILIA FOUNDATION OF MICHIGAN	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	MATERNAL CHILD HEALTH BUREAU (MCHB) GRANT
272	\$27,850	BIOGEN INC	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	AN OPEN-LABEL, MULTICENTER EVALUATION OF THE SAFETY AND EFFICACY OF RECOMBINANT COAGULATION FACTOR IX FC FUSION PROTEIN (RFIXFC; BII029) IN THE PREVENTION AND TREATMENT OF BLEEDING IN PREVIOUSLY UNTR
273	\$70,000	CYSTIC FIBROSIS RESEARCH INC	Li, Xiaopeng	PEDIATRICS AND HUMAN DEVELOPMENT	TARGETING V-TYPE ATPASE IN HUMAN SMALL AIRWAYS FOR CF LUNG DISEASE TREATMENT

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274	\$78,940	CYSTIC FIBROSIS FOUNDATION	Thomas, Ryan	PEDIATRICS AND HUMAN DEVELOPMENT	MICHIGAN STATE UNIVERSITY CYSTIC FIBROSIS CENTER GRANT 2020
275	\$403,429	NATIONAL INST OF HEALTH	Bernard, Jamie	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	MECHANISTIC ROLE OF OBESITY IN BENZO(A)PYRENE-INITIATED CANCER
276	\$188,170	NATIONAL INST OF HEALTH	Copple, Bryan	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	MACROPHAGE PHENOTYPIC MODULATORS—A NOVEL THERAPEUTIC APPROACH TO LIVER FIBROSIS TREATMENT
277	\$345,350	NATIONAL INST OF HEALTH	Galligan, James	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	IDENTIFICATION OF ENTERIC NERVE CIRCUITS CONTROLLING GUT MOTILITY
278	\$14,659	DIGNITY HEALTH	Galligan, James	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	ALPHA-SYNUCLEIN AGGREGATION DISRUPTS MOTILITY, SYNAPTIC TRANSMISSION, AND CALCIUM SIGNALING IN THE MYENTERIC PLEXUS OF THE RAT COLON
279	\$78,250	NATIONAL INST OF HEALTH	Rockwell, Cheryl	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	THE EFFECT OF THE SYNTHETIC FOOD ADDITIVE TBHQ ON FOOD ALLERGY IN JUVENILE ANIMALS
280	\$341,265	UNIVERSITY OF MICHIGAN	Zhu, David	RADIOLOGY HUMAN MEDICINE	A LONGITUDINAL STUDY OF NEURAL NETWORK DEVELOPMENT IN CHILDREN WHO STUTTER
281	\$15,459	UNIVERSITY OF MICHIGAN	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	COUNTS PLASMA SAMPLE NFL ANALYSIS FOR MADRC
282	\$28,494	UNIVERSITY OF MICHIGAN	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	ESTABLISHING A WORKFLOW FOR THE DETECTION OF KNOWN PROTEINACEOUS BIOMARKERS ASSOCIATED WITH ALZHEIMER'S DISEASE (AD)
283	\$589,762	NATIONAL INST OF HEALTH	Gordon, Marcia	TRANSLATIONAL NEUROSCIENCE	GEROSCIENCE APPROACHES TO MITIGATE TAUOPATHY IN AGED MOUSE BRAIN
284	\$362,094	UNIVERSITY OF ILLINOIS CHICAGO	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	TAU CONFORMATION IN TAUOPATHIES AND NEURONAL FUNCTION
285	\$59,116	COLUMBIA UNIV	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	THE ROLE OF SUMOYLATION IN TAU-MEDIATED PATHOLOGY
286	\$17,831	NATIONAL INST OF HEALTH	Miller, Katie	TRANSLATIONAL NEUROSCIENCE	STN DBS-MEDIATED BDNF SIGNALING AND NEUROPROTECTION IN THE CONTEXT OF PFF-SEEDED SYNUCLEINOPATHY
287	\$643,986	NATIONAL INST OF HEALTH	Morgan, David	TRANSLATIONAL NEUROSCIENCE	INFLUENCE OF SYSTEMIC IMMUNE INFLAMMATION UPON THE TAUOPATHY PHENOTYPE IN MOUSE MODELS
288	\$30,420	UNIVERSITY OF MICHIGAN	Vega, Irving	TRANSLATIONAL NEUROSCIENCE	TRAINING IN CLINICAL AND BASIC NEUROSCIENCES
	COLLEGE OF MUSIC				

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289	\$65,000	ERB FAMILY FOUNDATION	Woodward, Jill	COMMUNITY MUSIC SCHOOL	MSU COMMUNITY MUSIC SCHOOL-DETROIT JAZZ EDUCATION AND MENTORSHIP PROGRAM
COLLEGE OF NATURAL SCIENCE					
290	\$309,955	NATIONAL INST OF HEALTH	Arnosti, David	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	BIOCHEMICAL, GENOMIC AND COMPUTATIONAL ANALYSIS OF TRANSCRIPTIONAL REPRESSION
291	\$335,447	NATIONAL INST OF HEALTH	Dickson, Alexander	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	REVEALING THE LIGAND BINDING LANDSCAPE WITH ADVANCED MOLECULAR SIMULATION METHODS
292	\$13,800	USDA FOREST SERVICE	Jones III, Arthur	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	METABOLITES AND VOLATILES OF ASH TREES POTENTIALLY RESISTANT TO EMERALD ASH BORER
293	\$221,853	NATIONAL SCIENCE FOUNDATION	Kuo, Min	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	TRIACYLGLYCEROL AND LIFESPAN CONTROL IN A MODEL ORGANISM SACCHAROMYCES CEREVISIAE
294	\$289,234	NATIONAL INST OF HEALTH	Last, Robert	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	PLANT BIOTECHNOLOGY FOR HEALTH AND SUSTAINABILITY
295	\$149,162	AG SPECTRUM CO	Lundquist, Peter	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	ADAPTIVE BIOCHEMICAL AND PHYSIOLOGICAL RESPONSES OF MAIZE HYBRID LINES TO MANAGED VARIABLES UNDER ABIOTIC STRESS
296	\$131,789	BAYLOR COLLEGE OF MEDICINE	Mias, George	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	INTEGRATIVE PERSONALIZED OMICS PROFILING NEXT STEPS: DETECTION AND CLASSIFICATION OF DEVIATIONS FROM WELLNESS
297	\$753,021	NATIONAL INST OF HEALTH	Quinn, Robert	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	DETERMINING HOW A DYNAMIC MICROBIOME CONTRIBUTES TO CYSTIC FIBROSIS LUNG DISEASE
298	\$150,000	ARNOLD & MABEL BECKMAN FOUNDATION	TerAvest, Michaela	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	A BACTERIAL CHASSIS TO CONVERT ELECTRICITY AND CARBON DIOXIDE INTO SUSTAINABLE FUELS
299	\$195,625	NATIONAL INST OF HEALTH	Zacharewski, Timothy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	ADVANCING CHEMICAL AND DRUG SAFETY TESTING USING SINGLE-CELL RNA-SEQUENCING
300	\$162,980	HEALTH RESOURCES & SERVICES ADMINISTRATION	Hoag, Kathleen	BIOMEDICAL LABORATORY DIAGNOSTICS PROGR	SMILES: SUPPORT IN MEDICAL LABORATORY SCIENCE
301	\$181,543	US DEPT OF ENERGY	Beck, Warren	CHEMISTRY	ENERGY TRANSFER AND RADIATIONLESS DECAY IN LIGHT-HARVESTING PROTEINS

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302	\$308,039	NATIONAL INST OF HEALTH	Borhan, Babak	CHEMISTRY	PROTEIN/CHROMOPHORE INTERACTIONS VIA PROTEIN DESIGN: INTERROGATION AND APPLICATION
303	\$293,883	NATIONAL INST OF HEALTH	Hong, Heedeok	CHEMISTRY	FOLDING AND DEGRADATION OF MEMBRANE PROTEINS
304	\$300,000	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	SYNTHETIC GLYCAN CONJUGATES WITH BACTERIOPHAGE QBETA FOR BROAD SPECTRUM ANTI-SALMONELLA VACCINES
305	\$319,909	NATIONAL INST OF HEALTH	Merz, Kenneth	CHEMISTRY	MODELING TRANSITION METAL ION BINDING TO PROTEINS
306	\$199,933	US DEPT OF ENERGY	Severin, Gregory	CHEMISTRY	AQUEOUS-PHASE ISOTOPE HARVESTING TO MANUFACTURE RADIOACTIVE TARGETS FOR NEUTRON-REACTION STUDIES
307	\$70,784	US DEPT OF ENERGY	Severin, Gregory	CHEMISTRY	DEVELOPMENT OF SOLID ISOTOPE HARVESTING METHODS IN PREPARATION FOR FRIB
308	\$107,702	US DEPT OF ENERGY	Severin, Gregory	CHEMISTRY	METAL ORGANIC FRAMEWORKS FOR NOBLE GAS ISOTOPE HARVESTING AT FRIB
309	\$104,173	NATIONAL INST OF HEALTH	Smith, Milton	CHEMISTRY	METAL-CATALYZED C-H BORYLATION: DESIGN OF NEW CATALYSTS WITH NEW SELECTIVITIES
310	\$80,000	ABBVIE INC	Sun, Liangliang	CHEMISTRY	ENHANCING CHARACTERIZATION OF ANTIBODY/ADC CHARGE VARIANTS USING CIEF-MS/MS AND MULTIPLE DIMENSIONAL LC-CE-MS/MS
311	\$69,950	NATIONAL INST OF HEALTH	Sun, Liangliang	CHEMISTRY	ADMINISTRATIVE SUPPLEMENT TO EXISTING NIH R01 QUANTITATIVE PROTEOMICS OF ZEBRAFISH EMBRYOS AND BLASTOMERES
312	\$57,000	US ARMY RESEARCH OFFICE	Swain, Greg	CHEMISTRY	SPECTROELECTROCHEMICAL STUDIES OF REDOX REACTIONS AND ELECTRIFIED INTERFACES AT CARBON ELECTRODES
313	\$358,418	NATIONAL INST OF HEALTH	Weliky, David	CHEMISTRY	SOLID-STATE NMR OF VIRAL FUSION PEPTIDES AND PROTEINS
314	\$100,816	NATIONAL SCIENCE FOUNDATION	Wilson, Angela	CHEMISTRY	COMPUTATIONAL STRATEGIES FOR TRANSITION METALS AND HEAVY ELEMENTS
315	\$171,000	REATA PHARMACEUTICALS	Wilson, Angela	CHEMISTRY	MEDICINAL CHEMISTRY
316	\$110,287	NATIONAL SCIENCE FOUNDATION	Chen, Min	COMPUTATIONAL MATH SCI AND ENGR CNS	COLLABORATIVE RESEARCH: EXPLORING THE NATURE OF DEEP-FOCUS EARTHQUAKES IN THE JAPAN, KURIL, AND IZU-BONIN SUBDUCTION ZONES
317	\$100,000	NATIONAL SCIENCE FOUNDATION	Chen, Min	COMPUTATIONAL MATH SCI AND ENGR CNS	CAREER: MODIFICATION OF A CONTINENT: SEISMIC TOMOGRAPHY AND IMAGING OF THE NORTHERN AMERICAN LITHOSPHERE
318	\$353,150	NATIONAL INST OF HEALTH	Hirn, Matthew	COMPUTATIONAL MATH SCI AND ENGR CNS	COLLABORATIVE RESEARCH: FINDING EMERGENT STRUCTURE IN MULTI-SAMPLE BIOLOGICAL DATA WITH THE DUAL GEOMETRY OF CELLS AND FEATURES

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319	\$352,370	NATIONAL INST OF HEALTH	Krishnan, Arjun	COMPUTATIONAL MATH SCI AND ENGR CNS	RESOLVING AND UNDERSTANDING THE GENOMIC BASIS OF HETEROGENEOUS COMPLEX TRAITS AND DISEASE
320	\$483,122	NATIONAL SCIENCE FOUNDATION	O'Shea, Brian	COMPUTATIONAL MATH SCI AND ENGR CNS	CC* NETWORKING INFRASTRUCTURE: A SCIENCE DMZ FOR QUANTITATIVE BIOLOGY AND PRECISION AGRICULTURE
321	\$350,843	NATIONAL SCIENCE FOUNDATION	Perea, Jose	COMPUTATIONAL MATH SCI AND ENGR CNS	AF: SMALL: BUNDLE-THEORETIC METHODS FOR LOCAL-TO-GLOBAL INFERENCE
322	\$325,001	NATIONAL INST OF HEALTH	Wang, Jianrong	COMPUTATIONAL MATH SCI AND ENGR CNS	STATISTICAL MODELING OF LONG-RANGE CHROMATIN INTERACTIONS ON GENE REGULATION AND UNDERLYING MOLECULAR MECHANISMS
323	\$157,514	NATIONAL SCIENCE FOUNDATION	Yang, Yang	COMPUTATIONAL MATH SCI AND ENGR CNS	ACOUSTIC INVERSE PROBLEMS WITH SINGLE AND MULTIPLE MEASUREMENTS
324	\$264,422	NATIONAL INST OF HEALTH	Bayer, Irene	CREATE FOR STEM	HEALTH IN OUR HANDS: BUILDING AND SUSTAINING STUDENT ENGAGEMENT IN GENOMIC AND ENVIRONMENTAL HEALTH SCIENCES THROUGH A COMMUNITY-SCHOOL PARTNERSHIP
325	\$59,667	EASTERN MICHIGAN UNIV	Libarkin, Julie	CREATE FOR STEM	MENTORING FOR LIFE: ENHANCING STEM GRADUATE STUDENT WELL-BEING
326	\$94,270	MICHIGAN POTATO INDUSTRY COMMISSION	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	REMOTE SENSING TO QUANTIFY SPATIAL VARIABILITY OF CROP NITROGEN (N) STATUS AND OPTIMIZE N FERTILIZER IN POTATO FIELDS
327	\$131,992	NATIONAL SCIENCE FOUNDATION	Dorfman, Susannah	EARTH AND ENVIRONMENTAL SCIENCES	CAREER: EXPERIMENTAL CONSTRAINTS ON CARBON-IRON REDOX INTERACTION IN EARTH'S DEEP LOWER MANTLE
328	\$1,513,700	NATIONAL INST OF FOOD & AGRICULTURE	Hyndman, David	EARTH AND ENVIRONMENTAL SCIENCES	INFEWS/T1: DEVELOPING PATHWAYS TOWARD SUSTAINABLE IRRIGATION ACROSS THE UNITED STATES USING PROCESS-BASED SYSTEMS MODELS (SIRUS)
329	\$183,614	US DEPT OF STATE	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	RECOVERY, DIGITIZATION, AND ANALYSIS OF SOVIET PEACEFUL NUCLEAR EXPLOSION SEISMOGRAMS
330	\$300,000	NATIONAL SCIENCE FOUNDATION	Schrenk, Matthew	EARTH AND ENVIRONMENTAL SCIENCES	NSF2026: EAGER: GROUNDWATER MICROBIAL COMMUNITIES AS SENTINELS OF ENVIRONMENTAL CHANGE
331	\$75,588	NATIONAL SCIENCE FOUNDATION	Wei, Songqiao	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: INTERACTIONS BETWEEN THE TONGA-LAU SUBDUCTION SYSTEM AND THE SAMOAN PLUME

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332	\$31,500	USDA FOREST SERVICE	Cognato, Anthony	ENTOMOLOGY NATURAL SCIENCE	BARK BEETLE IDENTIFICATION AND TAXONOMY (CURCULIONIDAE: SCOLYTINAE)
333	\$380,049	NATIONAL INST OF HEALTH	Dong, Ke	ENTOMOLOGY NATURAL SCIENCE	HIGH-RESOLUTION INSIGHTS INTO INSECTICIDE INTERACTIONS WITH VOLTAGE-GATED SODIUM CHANNELS
334	\$376,311	NATIONAL INST OF HEALTH	Bradburd, Gideon	INTEGRATIVE BIOLOGY	INCORPORATING GEOGRAPHY INTO STATISTICAL METHODS FOR ANALYSIS OF POPULATION GENOMIC DNA
335	\$45,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Zarnetske, Phoebe	INTEGRATIVE BIOLOGY	USING GEODIVERSITY AND COMMUNITY ECOLOGY TO IMPROVE SPECIES CONSERVATION ASSESSMENTS IN BIODIVERSITY HOTSPOTS
336	\$90,000	US FISH & WILDLIFE SERVICE	Zipkin, Elise	INTEGRATIVE BIOLOGY	DATA MANAGEMENT AND ANALYSIS FOR THE GULF OF MEXICO MARINE ASSESSMENT PROGRAM FOR PROTECTED SPECIES (GOMMAPPs)
337	\$256,940	NATIONAL SCIENCE FOUNDATION	Zipkin, Elise	INTEGRATIVE BIOLOGY	COLLABORATIVE RESEARCH: CONSISTENCIES AND CONTINGENCIES OF FUNCTIONAL RESPONSES TO ENVIRONMENTAL CHANGES IN TROPICAL FORESTS
338	\$458,506	NATIONAL SCIENCE FOUNDATION	Evans, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	COLLABORATIVE RESEARCH: MICROBES, MEMORY, AND MOISTURE: LEVERAGING DROUGHTNET TO PREDICT HOW MICROBIAL MOISTURE RESPONSES WILL IMPACT CARBON CYCLING
339	\$25,590	NATIONAL SCIENCE FOUNDATION	Gross, Katherine	KELLOGG BIOLOGICAL STATION NAT SCI	REU SITE: ECOLOGICAL AND EVOLUTIONARY DYNAMICS IN A CHANGING WORLD
340	\$174,000	US FISH & WILDLIFE SERVICE	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	POWESHIEK SKIPPERLING EX SITU CONSERVATION PROPOSAL
341	\$145,890	US ARMY CORPS OF ENGINEERS	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	LONG-TERM MONITORING AND HABITAT RESTORATION FOR THE U.S. FEDERALLY ENDANGERED ST. FRANCIS' SATYR BUTTERFLY
342	\$434,147	AGRICULTURAL RESEARCH SERVICE	Robertson, GPhilip	KELLOGG BIOLOGICAL STATION NAT SCI	COLLABORATIVE LONG-TERM AGRICULTURAL RESEARCH (LTAR): ECOSYSTEM SERVICES FROM ROW-CROP AGRICULTURE
343	\$104,805	NATIONAL SCIENCE FOUNDATION	Gerhardt, Teena	MATHEMATICS	ALGEBRAIC K-THEORY AND EQUIVARIANT HOMOTOPY THEORY
344	\$180,000	NATIONAL SCIENCE FOUNDATION	Kitagawa, Jun	MATHEMATICS	NUMERICAL METHODS FOR OPTIMAL TRANSPORT WITH APPLICATIONS TO MANIFOLD LEARNING ON SINGULAR SPACES
345	\$215,000	NATIONAL SCIENCE FOUNDATION	Qian, Jianliang	MATHEMATICS	COLLABORATIVE: NOVEL MICROLOCAL-ANALYSIS AND DOMAIN-DECOMPOSITION BASED FAST ALGORITHMS FOR ELASTIC WAVE MODELING AND INVERSION IN VARIABLE MEDIA
346	\$8,400	SIMONS FOUNDATION	Rapinchuk, Igor	MATHEMATICS	ALGEBRAIC GROUPS OVER GENERAL FIELDS: ARITHMETIC AND REPRESENTATIONS

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347	\$8,400	SIMONS FOUNDATION	Schmidt, Benjamin	MATHEMATICS	RIGIDITY IN METRIC AND RIEMANNIAN GEOMETRY
348	\$8,400	SIMONS FOUNDATION	Shen, Linhui	MATHEMATICS	REPRESENTATION THEORY, CLUSTER ALGEBRAS, AND MODULI SPACES
349	\$45,214	NATIONAL SCIENCE FOUNDATION	Wake, Preston	MATHEMATICS	EXPLICIT GALOIS DEFORMATION THEORY, MODULAR FORMS, AND IWASAWA THEORY
350	\$71,355	NATIONAL SCIENCE FOUNDATION	Wang, Zhenqi	MATHEMATICS	CAREER: NEW METHODS AND APPLICATIONS FOR SMOOTH RIGIDITY OF ALGEBRAIC ACTIONS
351	\$50,000	GEORGE MASON UNIV	Wei, Guowei	MATHEMATICS	AI-BASED REPOSITIONING OF EXISTING DRUGS FOR COVID-19
352	\$318,777	NATIONAL INST OF HEALTH	Wei, Guowei	MATHEMATICS	SYNERGISTIC INTEGRATION OF TOPOLOGY AND MACHINE LEARNING FOR THE PREDICTIONS OF PROTEIN-LIGAND BINDING AFFINITIES AND MUTATION IMPACTS
353	\$74,509	NATIONAL INST OF HEALTH	Abramovitch, Robert	MICROBIOLOGY MOLECULAR GENETICS CNS	CHARACTERIZING NEW M. TUBERCULOSIS INHIBITORS DISCOVERED IN THE MOLECULAR LIBRARIES SMALL MOLECULE REPOSITORY
354	\$20,087	UNIVERSITY OF ARIZONA	Adami, Christoph	MICROBIOLOGY MOLECULAR GENETICS CNS	APPLICATION OF MACHINE-LEARNING ALGORITHMS FOR ON-BOARD ASTEROID SHAPE MODEL DETERMINATION AND SPACECRAFT NAVIGATION
355	\$124,366	VANDERBILT UNIV	Manning, Shannon	MICROBIOLOGY MOLECULAR GENETICS CNS	THE ROLE OF MACROPHAGES IN CHORIOAMNIONITIS AND GROUP B STREPTOCOCCAL INFECTIONS
356	\$75,564	VANDERBILT UNIV MEDICAL CENTER	Manning, Shannon	MICROBIOLOGY MOLECULAR GENETICS CNS	DETERMINING THE CONTRIBUTION OF ZINC DEFICIENCY TO PERINATAL GROUP B STREPTOCOCCUS INFECTIONS
357	\$626,815	NATIONAL INST OF HEALTH	Pyeon, Dohun	MICROBIOLOGY MOLECULAR GENETICS CNS	CHEMOKINE-MEDIATED ANTIGEN-SPECIFIC T CELL RESPONSES AND IMMUNOTHERAPIES TO TREAT HEAD AND NECK CANCER
358	\$510,770	NATIONAL INST OF DENTAL & CRANIOFACIAL RESEARCH	Pyeon, Dohun	MICROBIOLOGY MOLECULAR GENETICS CNS	IMMUNE DYSREGULATION BY HUMAN PAPILLOMAVIRUS DURING HEAD AND NECK CANCER PROGRESSION
359	\$72,051	OFFICE OF NAVAL RESEARCH	Reguera, Gemma	MICROBIOLOGY MOLECULAR GENETICS CNS	THE OTIC MICROBIOME AND ITS ROLE IN MIDDLE EAR DECOMPRESSION AND BAROTRAUMA PREVENTION
360	\$380,150	NATIONAL INST OF HEALTH	Yu, Kefei	MICROBIOLOGY MOLECULAR GENETICS CNS	DNA STRUCTURE DIRECTED AID DEAMINATION DURING IMMUNOGLOBULIN ISOTYPE SWITCHING
361	\$391,250	NATIONAL INST OF HEALTH	Zheng, Yong-Hui	MICROBIOLOGY MOLECULAR GENETICS CNS	THE ROLE OF SERINC5 IN HIV-1 REPLICATION

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362	\$45,134	NATIONAL INST OF HEALTH	Yelleswarapu, Krishna	NEUROSCIENCE PROGRAM	ENTERIC NEURONAL AGGREGATION OF A-SYNUCLEIN CAUSES DISRUPTION IN COLONIC NEUROTRANSMISSION AND RESULTS IN COLONIC DYSMOTILITY
363	\$95,827	NATIONAL SCIENCE FOUNDATION	Brown, Edward	PHYSICS ASTRONOMY	SUPERBURSTS: MULTI-DIMENSIONAL SIMULATIONS OF DEEP CARBON EXPLOSIONS ON NEUTRON STARS
364	\$160,762	US DEPT OF ENERGY	Couch, Sean	PHYSICS ASTRONOMY	THE CORE-COLLAPSE SUPERNOVA SENSITIVITY MACHINE
365	\$303,000	US DEPT OF ENERGY	Couch, Sean	PHYSICS ASTRONOMY	TOWARDS EXASCALE ASTROPHYSICS OF MERGERS AND SUPERNOVAE (TEAMS)
366	\$29,849	UNIVERSITY OF WISCONSIN MADISON	DeYoung, Tyce	PHYSICS ASTRONOMY	ICECUBE MAINTENANCE AND OPERATIONS 2010
367	\$35,950	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	Donahue, Megan	PHYSICS ASTRONOMY	THE CIRCUMGALACTIC MEDIUM OF A NEARBY MASSIVE EARLY-TYPE RADIO GALAXY: IC4296
368	\$19,999	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	Donahue, Megan	PHYSICS ASTRONOMY	STUDYING AGN FEEDING AND FEEDBACK IN THE MOST QUENCHED COOL CORE CLUSTER
369	\$11,279	SPACE TELESCOPE SCIENCE INST	Donahue, Megan	PHYSICS ASTRONOMY	TESTING THE LIMITS OF AGN FEEDBACK IN STARBURST AND QSO CENTRAL CLUSTER GALAXIES
370	\$115,000	NATIONAL SCIENCE FOUNDATION	Duxbury, Phillip	PHYSICS ASTRONOMY	SHOCKS AND OSCILLATIONS IN THE DYNAMICS OF EXPANDING COULOMB CLOUDS
371	\$199,964	NATIONAL SCIENCE FOUNDATION	Dykman, Mark	PHYSICS ASTRONOMY	QUANTUM DYNAMICS AND FLUCTUATIONS IN NONLINEAR NANOMECHANICAL SYSTEMS
372	\$151,067	COLUMBIA UNIV	Huston, Joey	PHYSICS ASTRONOMY	MREFC: US ATLAS HL-LHC UPGRADE PROJECT
373	\$124,056	US DEPT OF ENERGY	Ke, Xianglin	PHYSICS ASTRONOMY	NOVEL QUANTUM PHENOMENA IN GEOMETRICALLY FRUSTRATED MAGNETS NEAR THE METAL-INSULATOR PHASE BOUNDARY
374	\$239,956	FERMI NATIONAL ACCELERATOR LABORATORY	Mahn, Kendall	PHYSICS ASTRONOMY	DEEP UNDERGROUND NEUTRINO EXPERIMENT (DUNE)
375	\$28,706	SPACE TELESCOPE SCIENCE INST	O'Shea, Brian	PHYSICS ASTRONOMY	FIGURING OUT GAS & GALAXIES IN ENZO (FOGGIE): THE GAS-GALAXY CONNECTION AT $Z > 2$
376	\$100,000	EEROQ INC	Pollanen, Johannes	PHYSICS ASTRONOMY	PHASE 3: ON-CHIP CHARGE SENSOR FOR SINGLE ELECTRON DETECTION
377	\$6,000	US ARMY RESEARCH OFFICE	Ruan, Chong-Yu	PHYSICS ASTRONOMY	7TH INTERNATIONAL CONFERENCE ON PHOTOINDUCED PHASE TRANSITIONS AND COOPERATIVE PHENOMENA (PIPT7)
378	\$50,904	NATIONAL SCIENCE FOUNDATION	Tessmer, Stuart	PHYSICS ASTRONOMY	REU SITE: RESEARCH EXPERIENCES FOR UNDERGRADUATES IN PHYSICS

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379	\$202,654	US DEPT OF ENERGY	Zhang, Pengpeng	PHYSICS ASTRONOMY	MICROSCOPIC UNDERSTANDING OF THIN FILM GROWTH AND SUBSTRATE ENGINEERING OF ORGANIC CHARGE TRANSFER COMPLEXES
380	\$392,577	NATIONAL INST OF HEALTH	Busik, Julia	PHYSIOLOGY NATURAL SCIENCE	ANTI-CERAMIDE IMMUNOTHERAPY FOR DIABETIC RETINOPATHY
381	\$345,391	NATIONAL INST OF HEALTH	Gulbransen, Brian	PHYSIOLOGY NATURAL SCIENCE	REGULATION OF ENTERIC MOTOR NEUROCIRCUITS BY ENTERIC GLIA IN HEALTH AND DISEASE
382	\$334,803	NATIONAL INST OF HEALTH	Mazei-Robison, Michelle	PHYSIOLOGY NATURAL SCIENCE	NEUROBIOLOGICAL MECHANISMS UNDERLYING STRESS-INDUCED CHANGES IN OPIATE REWARD
383	\$37,836	NATIONAL INST OF HEALTH	Perez-Bonilla, Patricia	PHYSIOLOGY NATURAL SCIENCE	ROLE OF VTA NEUROTENSIN RECEPTOR-1 EXPRESSING NEURONS IN ENERGY BALANCE
384	\$90,801	BAYLOR COLLEGE OF MEDICINE	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	ROLE OF DELTAFOSB IN HIPPOCAMPAL GENE EXPRESSION AND FUNCTION IN NEUROLOGICAL DISEASE
385	\$372,379	NATIONAL INST OF HEALTH	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	PROJECTION-SPECIFIC GENE EXPRESSION IN RESILIENCE TO CHRONIC STRESS
386	\$500,000	US DEPT OF ENERGY	Ding, Shiyu	PLANT BIOLOGY CNS	REAL-TIME IMAGING AND QUANTIFICATION OF PLANT CELL WALL CONSTITUENTS USING CAVITY-DUMPED STIMULATED RAMAN SCATTERING (CDSRS) MICROSCOPY
387	\$109,043	NATIONAL INST OF FOOD & AGRICULTURE	Hoopes, Genevieve	PLANT BIOLOGY CNS	CIRCADIAN CONTROL OF POTATO TUBER SET
388	\$431,408	NATIONAL SCIENCE FOUNDATION	Long, Tammy	PLANT BIOLOGY CNS	COLLABORATIVE RESEARCH: CONNECTING UNDERGRADUATE BIOLOGY THROUGH SYSTEMS AND SYSTEMS THINKING
389	\$2,197,928	US DEPT OF ENERGY	Schnell, Danny	PLANT BIOLOGY CNS	A SYSTEMS APPROACH TO INCREASING CARBON FLUX TO SEED OIL FOR BIOFUELS AND BIOPRODUCTS PRODUCTION IN CAMELINA SATIVA
390	\$252,342	YALE UNIV	Trail, Frances	PLANT BIOLOGY CNS	EVOLUTIONARY MULTISPECIES TRANSCRIPTOMICS TO REVEAL GENES THAT GOVERN FUNGAL SPORE GERMINATION AND PATHOGENESIS
391	\$730,000	NATIONAL INST OF FOOD & AGRICULTURE	Trail, Frances	PLANT BIOLOGY CNS	DEVELOPMENTAL GENETICS OF HOST INVASION INITIATED BY FUNGAL SPORES
392	\$57,611	AGRICULTURAL RESEARCH SERVICE	Trail, Frances	PLANT BIOLOGY CNS	ELUCIDATING FUNGAL PROCESSES THAT EVADE HOST RESISTANCE AND CHEMICAL CONTROL - ELUCIDATING MODES OF INFECTION THAT EVADE HOST RESISTANCE AND CHEMICAL CONTROL
393	\$220,459	NATIONAL SCIENCE FOUNDATION	Ducat, Daniel	PLANT RESEARCH LABORATORY NAT SCIENCE	CAREER: ILLUMINATING EMERGENT MICROBIAL INTERACTIONS VIA MODULAR SYNTHETIC CONSORTIA
394	\$452,925	NATIONAL SCIENCE FOUNDATION	He, Sheng-Yang	PLANT RESEARCH LABORATORY NAT SCIENCE	CYTOSKELETAL REGULATION OF IMMUNITY.

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395	\$187,402	US DEPT OF ENERGY	Kerfeld, Cheryl	PLANT RESEARCH LABORATORY NAT SCIENCE	ELUCIDATING THE MECHANISM OF OCP-MEDIATED ANTENNA QUENCHING
396	\$174,514	US DEPT OF ENERGY	Kramer, David	PLANT RESEARCH LABORATORY NAT SCIENCE	THE DYNAMIC ENERGY BUDGET OF PHOTOSYNTHESIS
397	\$243,524	NATIONAL SCIENCE FOUNDATION	Sharkey, Thomas	PLANT RESEARCH LABORATORY NAT SCIENCE	ISOPRENE EMISSION FROM PLANTS: AN EVOLUTIONARY BALANCING ACT
398	\$681,481	NATIONAL SCIENCE FOUNDATION	Walker, Berkley	PLANT RESEARCH LABORATORY NAT SCIENCE	COLLABORATIVE RESEARCH: INVESTIGATING THE ROLE OF CYTOSOLIC ONE-CARBON METABOLISM IN PHOTORESPIRATION
399	\$1,887,525	NATIONAL SCIENCE FOUNDATION	Phillips, Elizabeth	PROGRAM IN MATHEMATICS EDUCATION	ENHANCING THE TEACHER-CURRICULUM RELATIONSHIP IN PROBLEM-BASED CLASSROOMS BY CONNECTING TEACHER AND STUDENT DIGITAL COLLABORATIVE ENVIRONMENTS
400	\$32,514	NATIONAL SCIENCE FOUNDATION	Hong, Hyokyoung	STATISTICS PROBABILITY	IMPACT OF MOLECULAR BIOMARKERS ON SURVIVAL OUTCOMES: SIGNAL DETECTION, MODEL SELECTION, AND STATISTICAL INFERENCE IN HIGH-DIMENSIONAL SETTINGS
401	\$150,000	NATIONAL SCIENCE FOUNDATION	Maiti, Tapabrata	STATISTICS PROBABILITY	COLLABORATIVE RESEARCH: VARIATIONAL INFERENCE APPROACH TO COMPUTER MODEL CALIBRATION, UNCERTAINTY QUANTIFICATION, SCALABILITY AND ROBUSTNESS
402	\$831,790	OHIO UNIV	Viens, Frederi	STATISTICS PROBABILITY	FRAMEWORKS: BAYESIAN ANALYSIS FOR NUCLEI IN DIVERSE THEORIES
COLLEGE OF NURSING					
403	\$195,625	NATIONAL INST OF NURSING RESEARCH	Ling, Jiying	NURSING	USING FACEBOOK AND PARTICIPATORY LEARNING IN AN INTERGENERATIONAL INTERVENTION TO PREVENT OBESITY IN HEAD START PRESCHOOLERS
404	\$16,736	HEALTH RESOURCES & SERVICES ADMINISTRATION	Lourens, Gayle	NURSING	NURSE ANESTHETIST TRAINEESHIP
COLLEGE OF OSTEOPATHIC MEDICINE					
405	\$15,000	DJO LLC	Dietzel, Douglas	DEPARTMENT OF ORTHOPEDICS COM	POST-PROFESSIONAL ATHLETIC TRAINING RESIDENCY
406	\$5,962	SUNOVION PHARMACEUTICALS	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	AN OPEN-LABEL, PHASE 3 STUDY EXAMINING THE LONGER-TERM SAFETY, TOLERABILITY AND EFFICACY OF APL-130277 IN LEVODOPA RESPONSIVE PATIENTS WITH PARKINSON'S DISEASE COMPLICATED BY MOTOR FLUCTUATIONS
407	\$6,368	LUNDBECK NA LTD	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	STUDY NO. 16306A, ENTITLED "A CLINICAL STUDY OF PATIENTS WITH SYMPTOMATIC NEUROGENIC ORTHOSTATIC HYPOTENSION TO ASSESS SUSTAINED EFFECTS OF DROXIDOPA THERAPY" (THE "STUDY")

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408	\$8,113	GLOBAL KINETICS CORP	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	EVALUATION OF THE PERSONAL KINETIGRAPH™ (PKG™) TO IMPROVE INSIGHT INTO PARKINSON'S DISEASE STATUS (APPRISE)
409	\$46,318	REVANCE THERAPEUTICS INC	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, OPEN-LABEL, MULTI-CENTER TRIAL TO EVALUATE THE LONG-TERM SAFETY AND EFFICACY OF REPEAT TREATMENTS OF DAXIBOTULINUMTOXINA FOR INJECTION IN ADULTS WITH ISOLATED CERVICAL DYSTONIA (ASPEN-OLS)
410	\$72,000	ALLEN FOUNDATION	Kvalsund, Michelle	NEUROLOGY AND OPHTHALMOLOGY COM	EXPANDING RESEARCH ON VITAMINS AND EVALUATION OF NEUROPATHY STUDY
411	\$95,202	EISAI INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	EISAI BAN2401-G000-201 OPEN LABEL EXTENSION
412	\$6,250	MUSCULAR DYSTROPHY ASSOC INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	MSU DEPARTMENT OF NEUROLOGY MDA CARE CENTER
413	\$36,956	UNIVERSITY OF CALIFORNIA SAN DIEGO	Sidiropoulos, Christos	NEUROLOGY AND OPHTHALMOLOGY COM	A SEAMLESS PHASE 2A-B RANDOMIZED DOUBLE-BLIND PLACEBO-CONTROLLED TRIAL TO EVALUATE THE EFFICACY AND SAFETY OF BHV-4157 IN PATIENTS WITH MILD TO MODERATE ALZHEIMER'S DISEASE
414	\$59,292	UNIVERSITY OF ROCHESTER	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	AGGRESSIVE ANTIPYRETICS IN CNS MALARIA: A RANDOMIZED-CONTROLLED TRIAL ASSESSING ANTIPYRETIC EFFICACY AND PARASITE CLEARANCE
415	\$15,715	SPECTRUM HEALTH SYSTEM	Dexheimer, Thomas	PHARMACOLOGY TOXICOLOGY	PHARMACOLOGICAL PROFILING OF PATIENT-DERIVED NEUROBLASTOMA CELLS
416	\$519,252	NATIONAL INST OF HEALTH	Dorrance, Anne	PHARMACOLOGY TOXICOLOGY	CEREBRAL PARENCHYMAL ARTERIOLE DYSFUNCTION AND COGNITIVE DECLINE IN A LIFE-LONG HIGH FAT FEEDING MODEL
417	\$45,520	NATIONAL INST OF HEALTH	Ferland, David	PHARMACOLOGY TOXICOLOGY	CHEMERIN STIMULATION OF VASCULAR FUNCTION IN SUPPORT OF BLOOD PRESSURE
418	\$84,670	UNIVERSITY OF MINNESOTA	Fink, Gregory	PHARMACOLOGY TOXICOLOGY	AFFERENT RENAL NERVES, RENAL INFLAMMATION, AND HYPERTENSION
419	\$45,971	NATIONAL INST OF HEALTH	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	INTEGRATIVE PHARMACOLOGICAL SCIENCES TRAINING PROGRAM (IPSTP)
420	\$80,000	NATIONAL INST OF HEALTH	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	MECHANISMS OF SMALL MOLECULE GENE TRANSCRIPTIONAL REGULATORS
421	\$35,985	UNIVERSITY OF ARIZONA	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	IMPROVING INFORMAL CAREGIVERS' AND CANCER SURVIVORS' PSYCHOLOGICAL DISTRESS, SYMPTOM MANAGEMENT AND HEALTH CARE USE
422	\$36,954	UNIVERSITY OF ARIZONA	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	POST-CHEMOTHERAPY SYMPTOM MANAGEMENT: TESTING INTERVENTION SEQUENCES IN A SMART DESIGN

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	COLLEGE OF SOCIAL SCIENCE				
423	\$50,000	WHITING FOUNDATION	Howard, Heather	ANTHROPOLOGY SOCIAL SCIENCE	WAGANAKISING PORTAL: INDIGENOUS SOVEREIGNTY THROUGH DIGITAL KNOWLEDGE SHARING
424	\$7,600	UNIVERSITY OF TORONTO	Howard, Heather	ANTHROPOLOGY SOCIAL SCIENCE	WIDENING THE CIRCLE: BUILDING A COMMUNITY KNOWLEDGE SHARING DIGITAL PLATFORM FROM GREAT LAKES INDIGENOUS CULTURAL HERITAGE RESEARCH DATA
425	\$8,869	NATIONAL GEOGRAPHIC SOCIETY	Sanchez, Gabriel	ANTHROPOLOGY SOCIAL SCIENCE	ARCHAEOLOGY AS CONSERVATION SCIENCE: INVESTIGATING THE HISTORICAL RANGE OF CALIFORNIA'S ENDANGERED COHO SALMON
426	\$21,157	NATIONWIDE CHILDRENS HOSPITAL	Cavanagh, Caitlin	CRIMINAL JUSTICE	SCREENING AND SERVICES FOR TRAFFICKED AND EXPLOITED YOUTH
427	\$20,357	STATE OF MICHIGAN	Hamm, Joseph	CRIMINAL JUSTICE	CYANOHABS OUTREACH IN MICHIGAN
428	\$13,130	YALE UNIV	Maxwell, Christopher	CRIMINAL JUSTICE	EVALUATING THE IMPACT OF THE DOMESTIC VIOLENCE HOMICIDE PREVENTION DEMONSTRATION PROGRAM
429	\$101,391	GEORGE MASON UNIV	McGarrell, Edmund	CRIMINAL JUSTICE	JCOIN COORDINATION AND TRANSLATION CENTER - COMMUNITY STAKEHOLDER
430	\$13,616	SAN JOSE STATE UNIVERSITY	Melde, Christopher	CRIMINAL JUSTICE	SAN JOSE NEIGHBORHOOD CRIME SURVEY: AN EXAMINATION OF THE RELATIONSHIP BETWEEN IMMIGRATION AND VICTIMIZATION
431	\$147,316	SYNOPTIC DATA CORP	Andresen, Jeffrey	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	NATIONAL MESONET PROGRAM FOR MSU ENVIROWEATHER EFFORT
432	\$13,600	MICHIGAN DEPT OF TRANSPORTATION	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	CUSTOM GIS TRAINING FOR MDOT
433	\$16,200	MICHIGAN APPLE COMMITTEE	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	CHARACTERIZATION OF COLD AIR MOVEMENT IN APPLE ORCHARDS USING THERMAL INFRARED DRONE IMAGERY AND HIGH-RESOLUTION TOPOGRAPHIC DATA
434	\$23,859	NATURAL RESOURCES CONSERVATION SERVICE	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	IMAGE INTERPRETATION FOR THE NRI ON-LINE COURSE – 11TH OPERATIONAL YEAR
435	\$60,820	USDA FOREST SERVICE	Zhong, Shiyuan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	MULTI-SCALE ANALYSES OF WILDLAND FIRE COMBUSTION PROCESSES IN OPEN-CANOPIED FORESTS USING COUPLED AND ITERATIVELY INFORMED LABORATORY-, FIELD-, AND MODEL-BASED APPROACHES (Y4) - MICHIGAN STATE UNIVERS
436	\$54,000	USDA FOREST SERVICE	Zhong, Shiyuan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	TOWARDS AN IMPROVED UNDERSTANDING OF THE RELATIONSHIP OF SMOKE DISPERSION FROM PRESCRIBED FIRES TO CANOPY STRUCTURE AND ATMOSPHERIC CONDITIONS

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437	\$132,624	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Fan, Peilei	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	DIVERGENT LOCAL RESPONSES TO GLOBALIZATION: URBANIZATION, LAND TRANSITION, AND ENVIRONMENTAL CHANGES IN SOUTHEAST ASIA
438	\$125,000	NATIONAL INST OF FOOD & AGRICULTURE	Mack, Elizabeth	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	CONNECTING MARKETS AND ENHANCING ECONOMIC OPPORTUNITY THROUGH RURAL BROADBAND
439	\$638,556	NATIONAL INST OF HEALTH	Pearson, Amber	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	IMPACT OF ECOLOGICAL PARK RESTORATION ON HEALTH IN LOW INCOME NEIGHBORHOODS: A NATURAL EXPERIMENT
440	\$165,860	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	AFRICA BURNED AREA PRODUCT GENERATION, QUALITY ASSESSMENT AND VALIDATION - DEMONSTRATING A MULTI-SOURCE LAND IMAGING (MUSLI) LANDSAT-8 SENTINEL-2 CAPABILITY
441	\$151,941	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	GLOBAL LONG-TERM MULTI-SENSOR WEB-ENABLED LANDSAT DATA RECORD - A CONTINUATION REQUEST
442	\$550,000	THE ANDREW W MELLON FOUNDATION	Leon, Sharon	HISTORY	ON THESE GROUNDS
443	\$53,339	CORP FOR DIGITAL SCHOLARSHIP	Leon, Sharon	HISTORY	OMEKA MANAGEMENT
444	\$11,076	SEATTLE CHILDRENS HOSPITAL	Brincks, Ahnalee	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	USING SMART DESIGN TO IDENTIFY AN EFFECTIVE AND COST-BENEFICIAL APPROACH TO PREVENTING OUD IN JUSTICE-INVOLVED YOUTH
445	\$83,182	NATIONAL SCIENCE FOUNDATION	Liao, Chenwei	HUMAN RESOURCES AND LABOR RELATIONS	COLLABORATIVE RESEARCH: LEADER BEHAVIORS AND EXPERIENCES ACROSS LIFE DOMAINS
446	\$25,000	UNIVERSITY OF MICHIGAN	Tapia Y Van Maldeghem, Maite	HUMAN RESOURCES AND LABOR RELATIONS	COOKING AND COMMUNITY: FOSTERING ECONOMIC MOBILITY FOR PROSPECTIVE SERVICE INDUSTRY WORKERS THROUGH MULTI-TIERED COMMUNITY PARTNERSHIPS
447	\$31,300	NATIONAL SCIENCE FOUNDATION	Black, Ryan	POLITICAL SCIENCE	DOCTORAL DISSERTATION RESEARCH: PERSONALITY TRAIT ESTIMATION OF U.S. FEDERAL CIRCUIT COURT JUDGES
448	\$22,000	UNIVERSITY OF CALIFORNIA	Lajevardi, Nazita	POLITICAL SCIENCE	COUNTERING HARMFUL SPEECH ONLINE
449	\$364,916	AFROBAROMETER	Logan, Carolyn	POLITICAL SCIENCE	AFROBAROMETER ROUNDS 8 AND 9: ANALYSIS UNIT SUPPORT

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450	\$289,355	NATIONAL SCIENCE FOUNDATION	Minhas, Shahryar	POLITICAL SCIENCE	COLLABORATIVE PROPOSAL: MAPPING RELATIONAL DATA IN CIVIL CONFLICTS
451	\$76,748	NATIONAL INST OF HEALTH	Burt, Alex	PSYCHOLOGY SOCIAL SCIENCE	FROM NEIGHBORHOOD DISADVANTAGE TO ANTISOCIAL BEHAVIOR: NEUROBIOLOGICAL PATHWAYS
452	\$717,436	NATIONAL INST OF HEALTH	Burt, Alex	PSYCHOLOGY SOCIAL SCIENCE	MECHANISMS UNDERLYING RESILIENCE TO NEIGHBORHOOD DISADVANTAGE
453	\$71,098	NATIONAL SCIENCE FOUNDATION	Chang, Chu-Hsiang	PSYCHOLOGY SOCIAL SCIENCE	RAPID: THE ROLES OF ORGANIZATIONAL CONTEXTUAL FACTORS IN WORKER REACTIONS TO COVID-19
454	\$693,137	NATIONAL INST OF HEALTH	Ingersoll, Brooke	PSYCHOLOGY SOCIAL SCIENCE	2/4: IMPROVING THE PART C EARLY INTERVENTION SERVICE DELIVERY SYSTEM FOR CHILDREN WITH ASD: A RANDOMIZED CLINICAL TRIAL
455	\$14,341	INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	Kashy, Deborah	PSYCHOLOGY SOCIAL SCIENCE	ACCEPTANCE AND COMMITMENT THERAPY FOR FATIGUE INTERFERENCE IN ADVANCED GASTROINTESTINAL CANCER PATIENTS AND CAREGIVER BURDEN
456	\$738,784	NATIONAL INST OF HEALTH	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	A TWIN STUDY OF EXOGENOUS HORMONE EXPOSURE AND RISK FOR BINGE EATING
457	\$540,456	NATIONAL INST OF HEALTH	Levendosky, Alytia	PSYCHOLOGY SOCIAL SCIENCE	TIMING OF PRENATAL STRESS AND INFANT REGULATORY FUNCTIONING
458	\$78,859	INDIANA UNIV	McAuley, J	PSYCHOLOGY SOCIAL SCIENCE	UNDERSTANDING SPEECH IN NOISE: THE ROLES OF AGING AND ATTENTIONAL ENTRAINMENT
459	\$148,879	NATIONAL SCIENCE FOUNDATION	Neal, Zachary	PSYCHOLOGY SOCIAL SCIENCE	EXTRACTING THE BACKBONE OF WEIGHTED NETWORKS
460	\$122,453	NATIONAL SCIENCE FOUNDATION	Nye, Christopher	PSYCHOLOGY SOCIAL SCIENCE	EXAMINING THE EFFECTS OF WORK ON PERSONALITY TRAIT CHANGE IN YOUNG ADULTHOOD
461	\$32,000	HONEYWELL CORP	Ryan, Ann	PSYCHOLOGY SOCIAL SCIENCE	HONEYWELL STUDENT ASSISTANTSHIPS
462	\$20,000	NORTHROP GRUMMAN CORP	Sullivan, Cris	PSYCHOLOGY SOCIAL SCIENCE	QUALITATIVE EVALUATION OF THE US ARMY TRANSITIONAL COMPENSATION PROGRAM
463	\$387,864	NATIONAL INST OF HEALTH	Thakkar, Katharine	PSYCHOLOGY SOCIAL SCIENCE	UNCOVERING PATHOPHYSIOLOGICAL MECHANISMS OF PSYCHOSIS USING THE OCULOMOTOR SYSTEM.
464	\$9,861	UNIVERSITY OF MICHIGAN	Thakkar, Katharine	PSYCHOLOGY SOCIAL SCIENCE	DISSECTING MECHANISMS OF ALTERED EYE GAZE PERCEPTION ACROSS PSYCHIATRIC PATIENTS WITH SOCIAL DEFICITS
465	\$379,940	NATIONAL INST OF HEALTH	Yan, Lili	PSYCHOLOGY SOCIAL SCIENCE	NEURAL BASIS OF LIGHT-DEPENDENT DEPRESSION AND ANXIETY
466	\$35,565	CPCS TRANSCOM LTD	Beecher, Janice	PUBLIC UTILITIES INSTITUTE	GOVERNANCE REVIEW OF MUNICIPALY-OWNED UTILITIES

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467	\$10,000	MICHIGAN PUBLIC HEALTH INST	Park, Keunhye	SOCIAL WORK	COMPLIANCE AND DISPROPORTIONATE MINORITY CONTACT MONITORING SUPPORT
468	\$52,558	OSLO METROPOLITAN UNIVERSITY	Santiago, Anna Maria	SOCIAL WORK	A FAIR CHANCE: HOW GEOGRAPHY SHAPES LIFE OPPORTUNITIES
469	\$595,961	US DEPT OF JUSTICE	Sun, Fei	SOCIAL WORK	PREVENTION OF FINANCIAL ABUSE AMONG ELDERS AFFECTED BY COGNITIVE DECLINE: A RANDOMIZED CONTROLLED TRIAL IN THREE RURAL COMMUNITIES
470	\$155,497	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	Carrera, Jennifer	SOCIOLOGY SOCIAL SCIENCE	ENGAGING COMMUNITY IN THE DEVELOPMENT OF LOW-COST TECHNOLOGIES FOR ENVIRONMENTAL MONITORING TO PROMOTE ENVIRONMENTAL HEALTH LITERACY IN A LOW-TRUST SETTING
471	\$161,577	ELRHA	Nawyn, Stephanie	SOCIOLOGY SOCIAL SCIENCE	USING HUMANITARIAN ENGINEERING TO SOLVE SOCIAL DISTANCING BARRIERS IN REFUGEE HUMANITARIAN INTERVENTIONS: A CROSS-COUNTRY COMPARISON OF TURKEY, LEBANON, AND JORDAN
472	\$74,532	NATIONAL INST OF HEALTH	Zhang, Zhenmei	SOCIOLOGY SOCIAL SCIENCE	MARITAL BIOGRAPHY AND RISK OF DEMENTIA IN THE UNITED STATES
ASC PROVOST FOR UNDERGRADUATE EDUCATION					
473	\$9,997	MICHIGAN COLLEGE ACCESS NETWORK	Gordillo, Paulo	ADMIN SUPPORT MLK INITIATIVE	KCP VIRTUAL SUMMER EXPERIENCE 2020
474	\$474,934	US DEPT OF EDUCATION	Garcia, Luis	MIGRANT STUDENT SERVICES	MICHIGAN STATE UNIVERSITY HEP (HIGH SCHOOL EQUIVALENCY PROGRAM)
475	\$425,000	US DEPT OF EDUCATION	Garcia, Luis	MIGRANT STUDENT SERVICES	COLLEGE ASSISTANCE MIGRANT PROGRAM
COLLEGE OF VETERINARY MEDICINE					
476	\$500,000	NATIONAL INST OF FOOD & AGRICULTURE	Mavangira, Vengai	LARGE ANIMAL CLINICAL SCIENCES	EVALUATION OF CYTOCHROME P450-DERIVED LIPID METABOLITES AS THERAPEUTIC TARGETS DURING MASTITIS IN DAIRY CATTLE
477	\$48,156	AMER QUARTER HORSE FOUNDATION	Valberg, Stephanie	LARGE ANIMAL CLINICAL SCIENCES	DIAGNOSIS OF TYPE 2 POLYSACCHARIDE STORAGE MYOPATHY IN QUARTER HORSES
478	\$24,365	WINN FELINE FOUNDATION	Fortin, Jessica	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	IN VITRO CHARACTERIZATION OF SMALL MOLECULE INHIBITORS OF PANCREATIC AMYLOIDOSIS FOR DIABETIC CATS
479	\$14,603	WEST VIRGINIA UNIV	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	IMPACT OF PARTICLE AND OZONE INHALATION CO-EXPOSURE ON ALVEOLAR EPITHELIAL REGENERATION
480	\$410,826	NATIONAL INST OF FOOD & AGRICULTURE	Hussey, Gisela	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	ROLE OF EHV-1 PROTEINS FOR ESTABLISHMENT OF VIREMIA AND INFECTION OF CNS ENDOTHELIA

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481	\$432,401	NATIONAL INST OF HEALTH	Luyendyk, James	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	NOVEL COAGULATION-DEPENDENT MECHANISMS OF LIVER REGENERATION TO DETECT AND PREVENT LIVER DYSFUNCTION AFTER PARTIAL HEPATECTOMY
482	\$94,424	UNIVERSITY OF MICHIGAN	Manfredi, Jane	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	A NEW AGENT FOR THE TREATMENT OF OSTEOARTHRITIS
483	\$202,275	NATIONAL INST OF HEALTH	Meek, Katheryn	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	DOES OVEREXPRESSION OF DNA POLYMERASE THETA SENSITIZE CANCERS TO G-QUADRUPLEX BINDING DRUGS?
484	\$188,143	NATIONAL INST OF HEALTH	Petroff, Margaret	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	BACTERIAL MEMBRANE VESICLES AS MODULATORS OF ADVERSE PREGNANCY OUTCOMES
485	\$96,368	POLYACTIVA PTY LTD	Komaromy, Andras	SMALL ANIMAL CLINICAL SCIENCES	6-MONTH GLAUCOMA IMPLANT ANIMAL STUDY
486	\$350,000	UNIVERSITY OF CALIFORNIA IRVINE	Petersen-Jones, Simon	SMALL ANIMAL CLINICAL SCIENCES	USE OF SYSTEMS PHARMACOLOGY TO PREVENT ROD AND CONE PHOTORECEPTOR DEGENERATION
487	\$295,000	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Reams, Rachel	VETERINARY DIAGNOSTIC LABORATORY	MICHIGAN STATE UNIVERSITY, VETERINARY DIAGNOSTIC LABORATORY, NATIONAL ANIMAL HEALTH LABORATORY NETWORK (NAHLN) LEVEL 1
488	\$40,800	FOOD & DRUG ADMINISTRATION	Reams, Rachel	VETERINARY DIAGNOSTIC LABORATORY	MICHIGAN STATE UNIVERSITY VDL VETLRN 2017
489	\$125,013	STATE OF MICHIGAN	Mejia Abreu, Hilda	VETERINARY MEDICINE DEAN	DEVELOPING MICHIGAN'S PIPELINE TO VETERINARY MEDICAL EDUCATION
	FACILITY FOR RARE ISOTOPE BEAMS				
490	\$13,000,000	US DEPT OF ENERGY	Glasmacher, Thomas	FACILITY FOR RARE ISOTOPE BEAMS	FACILITY FOR RARE ISOTOPE BEAMS TRANSITION TO OPERATION AND OPERATION AS SCIENTIFIC USER FACILITY
491	\$775,358	US DEPT OF ENERGY	Glasmacher, Thomas	FACILITY FOR RARE ISOTOPE BEAMS	FACILITY FOR RARE ISOTOPE BEAMS (FRIB)
492	\$54,003	BROOKHAVEN SCIENCE ASSOC LLC	Hao, Yue	FACILITY FOR RARE ISOTOPE BEAMS	RESEARCH AT BROOKHAVEN NATIONAL LABORATORY FOR MICHAEL BALCEWICZ ON EXTENSION OF SQUARE WELL METHOD FOR ACCELERATOR RING WITH HIGH SPACE CHARGE AND WAKE FIELD
493	\$102,000	US DEPT OF ENERGY	Hao, Yue	FACILITY FOR RARE ISOTOPE BEAMS	6-D ANALYSIS OF NONLINEAR DYNAMICS USING SQUARE MATRIX METHOD
494	\$220,000	US DEPT OF ENERGY	Ostroumov, Peter	FACILITY FOR RARE ISOTOPE BEAMS	MSU TRAINEESHIP PROGRAM TO ADDRESS CRITICAL WORKFORCE NEEDS IN ACCELERATOR SCIENCE & ENGINEERING
495	\$55,000	NANOSONIC INC	Wei, Jie	FACILITY FOR RARE ISOTOPE BEAMS	3D PRINTED HIGH TEMPERATURE RADIATION RESISTANT ROTARY VACUUM BEARINGS

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496	\$200,000	NATIONAL SCIENCE FOUNDATION	Bogner, Scott	NAT'L SUPERCONDUCTING CYCLOTRON LAB	QUANTUM MANY-BODY THEORIES AND METHODS FOR NUCLEAR PHYSICS
497	\$17,000	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Bogner, Scott	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR THEORY FOR DOUBLE BETA DECAY AND FUNDAMENTAL SYMMETRIES
498	\$110,000	NATIONAL SCIENCE FOUNDATION	Brown, B	NAT'L SUPERCONDUCTING CYCLOTRON LAB	APPLICATIONS OF NUCLEAR STRUCTURE THEORY
499	\$120,000	US DEPT OF ENERGY	Danielewicz, Pawel	NAT'L SUPERCONDUCTING CYCLOTRON LAB	SYMMETRY ENERGY FROM NUCLEAR REACTIONS
500	\$153,647	US DEPT OF ENERGY	Hergert, Heiko	NAT'L SUPERCONDUCTING CYCLOTRON LAB	ADVANCED MANY-BODY METHODS FOR NUCLEAR STRUCTURE
501	\$156,000	US DEPT OF ENERGY	Lee, Dean	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR THEORY FROM FIRST PRINCIPLES TO FOREFRONT EXPERIMENTS
502	\$749,798	UNIVERSITY OF CALIFORNIA BERKELEY	Liddick, Sean	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR SCIENCE AND ENGINEERING NONPROLIFERATION RESEARCH CONSORTIUM
503	\$40,833	WITTENBERG UNIVERSITY	Liddick, Sean	NAT'L SUPERCONDUCTING CYCLOTRON LAB	MRI: DEVELOPMENT OF A HIGH SENSITIVITY INSTRUMENT TO SEARCH FOR CP VIOLATION IN POSITRONIUM DECAY
504	\$385,000	US DEPT OF ENERGY	Nazarewicz, Witold	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR COMPUTATIONAL LOW ENERGY INITIATIVE (NUCLEI)
505	\$109,000	US DEPT OF ENERGY	Pratt, Scott	NAT'L SUPERCONDUCTING CYCLOTRON LAB	DETERMINING PROPERTIES OF MATTER CREATED AT RHIC
506	\$35,000	US DEPT OF ENERGY	Singh, Jaideep	NAT'L SUPERCONDUCTING CYCLOTRON LAB	ELECTRIC FIELD & ATOMIC BEAM DEVELOPMENT FOR THE LASER TRAP RA-225 EDM EXPERIMENT
507	\$186,000	US DEPT OF ENERGY	Singh, Jaideep	NAT'L SUPERCONDUCTING CYCLOTRON LAB	TOWARDS A NEXT GENERATION SEARCH FOR TIME-REVERSAL VIOLATION USING OPTICALLY ADDRESSABLE NUCLEI IN CRYOGENIC SOLIDS
508	\$2,000,000	NATIONAL SCIENCE FOUNDATION	Spyrou, Artemisia	NAT'L SUPERCONDUCTING CYCLOTRON LAB	WINDOWS ON THE UNIVERSE: NUCLEAR ASTROPHYSICS AT THE NSCL

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509	\$150,000	US DEPT OF ENERGY	Wrede, Christopher	NAT'L SUPERCONDUCTING CYCLOTRON LAB	CRITICAL THERMONUCLEAR REACTIONS IN CLASSICAL NOVAE AND TYPE I X-RAY BURSTS
ASC PROV FOR UNIV OUTREACH ENGAGEMENT					
510	\$350,000	MICHIGAN DEPT OF EDUCATION	Wu, Jamie	COMMUNITY EVALUATION & RSCH COLLABRTVE	2019-2020 GREAT START READINESS PROGRAM EVALUATION GRANT
INTERNATIONAL STUDIES AND PROGRAMS					
511	\$351,000	US DEPT OF EDUCATION	Monson, Jamie	AFRICAN STUDIES CENTER	NATIONAL RESOURCE CENTER (TITLE VI)/FLAS
512	\$260,000	US DEPT OF EDUCATION	Monson, Jamie	AFRICAN STUDIES CENTER	NATIONAL RESOURCE CENTER (TITLE VI)/FLAS
MSU HEALTH TEAM					
513	\$763,994	US DEPT OF HEALTH & HUMAN SERVICES	Ciabotti, Seth	MSU HEALTH TEAM	HEALTH TEAM CARES ACT PROVIDER RELIEF FUND GENERAL DISTRIBUTION (\$30 BILLION)
514	\$452,278	US DEPT OF HEALTH & HUMAN SERVICES	Ciabotti, Seth	MSU HEALTH TEAM	HEALTH TEAM CARES ACT PROVIDER RELIEF FUND GENERAL DISTRIBUTION (\$20 BILLION)
MSU AGBIORESEARCH					
515	\$30,000	IOWA STATE UNIV	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	IDENTIFYING SOYBEAN FIELDS AT HIGH RISK FOR SUDDEN DEATH SYNDROME THROUGH AERIAL PHOTOGRAPHY AND DNA-BASED TOOLS
516	\$22,688	UNIVERSITY OF WISCONSIN MADISON	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	MULTI-PRONGED STRATEGIES TO PROVIDE EFFICIENT, SUSTAINABLE, AND DURABLE CONTROL TO SCLEROTINIA STEM ROT (YR 3)
517	\$402,843	UNIVERSITY OF WISCONSIN MADISON	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	CREATING A NEW PARADIGM FOR POTATO BREEDING AND SEED PRODUCTION BASED ON TRUE POTATO SEED
518	\$15,000	BEET SUGAR DEVELOPMENT FOUNDATION	Hammerschmidt, Raymond	PLANT SOIL AND MICROBIAL SCIENCES	SUGARBEET RESEARCH
519	\$74,000	BEET SUGAR DEVELOPMENT FOUNDATION	Hammerschmidt, Raymond	PLANT SOIL AND MICROBIAL SCIENCES	FUNDS TO COVER FIELD RESEARCH TECHNICIAN SALARY
520	\$18,012	MICHIGAN WHEAT PROGRAM	Pennington, Dennis	PLANT SOIL AND MICROBIAL SCIENCES	FUNDS FROM MICHIGAN WHEAT PROGRAM TO COVER SALARY AND OPERATING EXPENSES FOR MSU WHEAT BREEDER FROM 4/1/2020 TO 6/30/20

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521	\$497,916	NATIONAL INST OF FOOD & AGRICULTURE	Thompson, Addie	PLANT SOIL AND MICROBIAL SCIENCES	GREAT LAKES TAR SPOT INITIATIVE: MOBILIZING RESISTANCE IN MAIZE
MICHIGAN STATE UNIVERSITY EXTENSION					
522	\$6,128	AMER MALTING BARLEY ASSOC INC	Baas, Dean	EXTENSION AGRICULTURE AND AGRIBUSINESS	EVALUATING WINTER BARLEY VARIETIES FOR MALTING AND BREWING IN THE GREAT LAKES REGION
523	\$8,156	PENNSYLVANIA STATE UNIV	Gould, Merrill	EXTENSION AGRICULTURE AND AGRIBUSINESS	ENERGY ANSWERS FOR THE BEGINNING FARMER AND RANCHERS
524	\$9,149	MICHIGAN STATE HORTICULTURAL SOCIETY	Rothwell, Nikki	EXTENSION AGRICULTURE AND AGRIBUSINESS	UNDERSTANDING HOW ENVIRONMENTAL FACTORS IMPACT SPOTTED WING DROSOPHILA BEHAVIOR IN MICHIGAN TART CHERRY
525	\$8,440	MICHIGAN APPLE COMMITTEE	Shane, William	EXTENSION AGRICULTURE AND AGRIBUSINESS	EVALUATION OF APPLE GERMPLASM FOR THE FRESH AND PROCESSING INDUSTRIES
526	\$5,252	MICHIGAN APPLE COMMITTEE	Shane, William	EXTENSION AGRICULTURE AND AGRIBUSINESS	EVALUATION OF MAIA APPLE GERMPLASM
527	\$149,759	NATIONAL PESTICIDE SAFETY EDUCATION CENTER	Smith, Thomas	EXTENSION AGRICULTURE AND AGRIBUSINESS	NATIONAL PESTICIDE SAFETY EDUCATION CENTER EXECUTIVE DIRECTOR
528	\$98,983	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	RG074651 3RD QUARTER BILLING 2019-20
529	\$9,306	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	RG100163 1/1- 3/31/20 DONATIONS
530	\$26,132	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	4TH QTR 2020 RG074651
531	\$28,411	BARRY COUNTY UNITED WAY	Kilpatrick, Glenda	EXTENSION CHILDREN AND YOUTH	BARRY COUNTY MSU EXTENSION 4-H PROGRAM
532	\$140,000	US DEPT OF AGRICULTURE	Shrier, Carrie	EXTENSION CHILDREN AND YOUTH	MICHIGAN STATE UNIVERSITY EXTENSION SUSTAINABLE COMMUNITY PROJECT (MSUESCP)

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	Amount	Sponsor	Director	Unit	Purpose
533	\$60,000	NATIONAL 4H COUNCIL	Wibby, Brian	EXTENSION CHILDREN AND YOUTH	NATIONAL MENTORING PROGRAM 10 TRAINING AND TECHNICAL ASSISTANCE (NMP 10 TTA)
534	\$30,000	AMERICANA FOUNDATION	Mathis, Michael	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MSU TOLLGATE COVID 19 - 2020
535	\$150,260	UNIVERSITY OF MICHIGAN	Triezenberg, Heather	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	GLANSIS
536	\$92,245	UNIVERSITY OF MICHIGAN	Triezenberg, Heather	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MICHIGAN SEA GRANT OMNIBUS FY 2018-2021
537	\$31,861	BOWLING GREEN STATE UNIVERSITY	Triezenberg, Heather	FISHERIES AND WILDLIFE MSUE	COMMUNITY-ENGAGED SCHOLARSHIP TRAINING FOR SCIENTISTS AND STAKEHOLDERS
538	\$15,940	UNIVERSITY OF KENTUCKY	Skidmore, Mark	MICHIGAN STATE UNIVERSITY EXTENSION	RURAL HEALTH AND ECONOMIC DEVELOPMENT ANALYSIS
539	\$85,890	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	INVENTORY OF STATE TRAILS
540	\$48,931	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Cole-Wick, Ashley	NATURAL FEATURES INVENTORY MSUE	PRESCRIBED FIRE STAFFING, MITCHELL'S SATYR HABITAT EVALUATION, AND THE FINALIZATION OF A BIOLOGICAL EVALUATION
541	\$34,991	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Cole-Wick, Ashley	NATURAL FEATURES INVENTORY MSUE	PRAIRIE VOLE (MICROTUS OCHROGASTER) POPULATION & HABITAT MONITORING AT FCTC
542	\$54,999	US DEPT OF AGRICULTURE	Higman, Phyllis	NATURAL FEATURES INVENTORY MSUE	MODIFICATION TO PD 32412/RC107413 HURON MANISTEE BOTANY SURVEYS 2017
543	\$15,379	US DEPT OF AGRICULTURE	Lee, Yu Man	NATURAL FEATURES INVENTORY MSUE	HURON MANISTEE BOTANY SURVEYS - MODIFICATION FOR ZOOLOGY SURVEYSADX
544	\$187,287	CENTRAL MICHIGAN UNIV	Monfils, Michael	NATURAL FEATURES INVENTORY MSUE	EUROPEAN FROG-BIT: ENHANCING CONTROL AND ASSESSING IMPACTS AND MANAGEMENT
	RESEARCH AND INNOVATION				

Gift, Grant and Contract Report
Board of Trustees
September 2020

	Amount	Sponsor	Director	Unit	Purpose
545	\$1,209,837	CENTERS FOR DISEASE CONTROL & PREVENTION	Reed, Philip	CLINICAL AND TRANSLATIONAL SCIENCES	DATA COORDINATING CENTER (DCC) FOR SEED 1, SEED 2, AND. SEED 3
546	\$9,409,660	UNIVERSITY OF WISCONSIN MADISON	Landis, Douglas	GREAT LAKES BIOENERGY RESEARC CTR VPRGS	GREAT LAKES BIOENERGY RESEARCH CENTER
547	\$6,250	SOCIETY OF TOXICOLOGY	Atchison, William	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	2020 SUMMER UNDERGRADUATE RESEARCH PROGRAM - SOCIETY OF TOXICOLOGY
548	\$370,219	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	LaPres, John	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	MULTIDISCIPLINARY TRAINING IN ENVIRONMENTAL TOXICOLOGY
549	\$109,890	GRAND RAPIDS SMARTZONE LOCAL DEVELOPMENT FINANCE AUTHORITY	Hasemann, Charles	MSU INNOVATION CENTER	GRAND RAPIDS GATEWAY GRANT
550	\$175,000	UNIVERSITY OF MICHIGAN	Hasemann, Charles	RESEARCH AND INNOVATION SVP	TECHNOLOGY TRANSFER TALENT NETWORK - 7
551	\$750,000	MICHIGAN STATE UNIV FOUNDATION	Hsu, Stephen	RESEARCH AND INNOVATION SVP	VP RESEARCH DISCRETIONARY (RG072997, SUBACCT RESRV)
VICE PRES FOR STUDENT AFFAIRS SERVICES					
552	\$468,928	COLLEGE ADVISING CORPS	Maybank, Denise	STUDENT AFFAIRS & SERVICES VICE PRES	MSU COLLEGE ADVISING CORPS
GRADUATE SCHOOL DEAN					
553	\$2,125,133	NATIONAL SCIENCE FOUNDATION	Stoddart, Judith	GRADUATE SCHOOL DEAN	GRADUATE RESEARCH FELLOWSHIP PROGRAM (GRFP)
UNIVERSITY ADVANCEMENT					
554	\$23,134,241	VARIOUS DONORS - ADVANCEMENT	Heil, Marti	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR THE PERIOD 04/01/2020 TO 06/30/2020
GENERAL UNIVERSITY ITEMS					
555	\$29,875	CHILDRENS HOSPITAL OF MICHIGAN FOUNDATION	Martell, Dennis	MSU STUDENT HEALTH CENTER	IMPACTING OUTCOMES FOR STUDENTS IN RECOVERY
556	\$10,000	BAYER FUND	Martell, Dennis	MSU STUDENT HEALTH CENTER	MICHIGAN STATE UNIVERSITY STUDENT FOOD BANK - MALNUTRITION - HUNGER ALLEVIATION

**Gift, Grant and Contract Report
Board of Trustees
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	Amount	Sponsor	Director	Unit	Purpose
	MICHIGAN STATE UNIVERSITY COLLEGE OF LAW				
557	\$48,190	STATE OF CALIFORNIA	Grosso, Catherine	COLL OF LAW CLINICS, CENTERS, INSTITUTES	OVERBREADTH AND ARBITRARINESS OF CALIFORNIA'S CAPITAL PUNISHMENT STATUTE
	ASC PRV TEACHING LEARNING AND TECHNOLOGY				
558	\$222,930	SIMONS FOUNDATION	Grabill, Jeffrey	HUB INNOV IN LEARNING AND TECHNOLOGY	SCIENCE GALLERY DETROIT EXHIBITION FUTURE PRESENT
559	\$17,250	UNIVERSITY OF MICHIGAN	Matz, Becky	HUB INNOV IN LEARNING AND TECHNOLOGY	SEISMIC AT MICHIGAN STATE UNIVERSITY
	VARIOUS				
560	\$194,456	VARIOUS	Various	Various	94 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	\$181,506,080	Total September 2020 Board			

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
SEPTEMBER 11, 2020

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Rare & vintage musical instruments having makers & dates of origin spanning over 300 years.	Charles Aurand	College of Music	\$417,000.00	Display and education
2	Various radiopharmacy & chemistry related instruments & equipment	Agilent Technologies Inc.	Biomedical Engineering	\$267,357.76	Radiopharmacy & chemistry related research
3	Consultation & implementation of Cisco ACI & SDA Labs	Cisco Systems, Inc.	MSU IT Services	\$180,000.00	MSU Cisco ACI & SDA Labs
4	Herman Miller furniture	Herman Miller	Cowles House	\$45,361.00	Cowles House Renovation
5	Locker upgrade, maintenance & repair	Oakwood Sports	Men's Hockey	\$10,000.00	Upgrade, maintenance & repairs of locker rooms & related athletic spaces for 2019-2020
6	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$8,343.85	Air transportation for Coach Izzo recruiting trip.
7	1,500 KN95 masks	Michigan Cannabis Manufacturers Association	MSU Health Team	\$6,000.00	Personal protective equipment
8	2019 Comic donation	Michael Chaudhuri	Libraries	\$5,680.00	Research and display Comic Art Collection
9	Perpetual Plaques for Munn Concourse	Prime Time Awards Steve Boettcher	Munn Arena	\$5,400.00	Awards display
10	PTS BFR Tourniquet Instrument & matching limb protection sleeves	Dr. Andrew Schorthaar	Intercollegiate Athletics/ Spartan Fund	\$5,300.00	Medical supplies for athletic trainers
11	Interview tapes in Maninka language with transcriptions	Dianne White Oyler	Libraries	\$5,000.00	Research in Africana Collection

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
SEPTEMBER 11, 2020

12-38	Various	Various	Various	\$49,019.83	27 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	\$1,004,462.44	