

**MICHIGAN STATE  
UNIVERSITY**

June 10, 2022

**APPROVED**  
**JUNE 24, 2022**  
**BOARD OF TRUSTEES**  
**MICHIGAN STATE UNIVERSITY**

**MEMORANDUM**

TO: Members of the Board of Trustees

FROM: Douglas A. Gage, Vice President 

SUBJECT: Gift, Grant, and Contract Report

RECOMMENDATION: That the Board of Trustees approve the attached Gift, Grant, and Contract Report for the period of March 24, 2022, through May 27, 2022. The report is a compilation of 494 Gifts, Grants and Contracts plus 40 Consignment/Non-Cash Gifts, with a total value of \$124,731,554.



FY 2021-22 TOTALS:

- a) Gifts, Grants and Contracts only: \$754,311,979
  - b) Gifts, Grants and Contracts plus Consignments: \$757,155,675
- (Consignments are Non-Cash Gifts and Non-Cash Loans)

RESOLUTION:

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

Douglas A. Gage, Ph.D.  
Vice President

Hannah Administration Bldg.  
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## Current Period / Year to Date

### Gift & Grant Awards

Meeting Date: 06/24/2022

Current Period: Mar 24, 2022 - May 27, 2022

#### AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$62,050,329	\$375,035,193	84.9%
State of Michigan	\$1,160,057	\$18,683,257	4.2%
Other	\$3,205,688	\$16,362,996	3.7%
Industry/CO	\$2,527,717	\$10,623,245	2.4%
Foundation	\$827,291	\$18,335,366	4.1%
Association	\$1,019,420	\$2,878,791	0.7%
<b>Research - Total</b>	<b>\$70,790,502</b>	<b>\$441,918,847</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$15,843,491	\$94,142,291	30.1%
State of Michigan	\$1,115,731	\$7,527,760	2.4%
Other	\$9,953,612	\$25,262,686	8.1%
Industry/CO	\$3,726,463	\$6,340,240	2.0%
Foundation	\$903,395	\$8,238,325	2.6%
Association	\$0	\$221,666	0.1%
Various Donors - Advancement	\$22,285,150	\$170,660,163	54.6%
<b>Non-Research - Total</b>	<b>\$53,827,842</b>	<b>\$312,393,132</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$77,893,821	\$469,177,485	62.2%
State of Michigan	\$2,275,788	\$26,211,017	3.5%
Other	\$13,159,300	\$41,625,682	5.5%
Industry/CO	\$6,254,180	\$16,963,485	2.2%
Foundation	\$1,730,686	\$26,573,690	3.5%
Association	\$1,019,420	\$3,100,457	0.4%
Various Donors - Advancement	\$22,285,150	\$170,660,163	22.6%
<b>TOTAL</b>	<b>\$124,618,344</b>	<b>\$754,311,979</b>	<b>100%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	212	1,169	58.0%
State of Michigan	10	96	4.8%
Other	64	283	14.0%
Industry/CO	56	254	12.6%
Foundation	12	93	4.6%
Association	36	122	6.0%
<b>Research - Total</b>	<b>390</b>	<b>2,017</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	38	281	48.3%
State of Michigan	13	50	8.6%
Other	12	87	14.9%
Industry/CO	29	65	11.2%
Foundation	11	84	14.4%
Association	0	11	1.9%
Various Donors - Advancement	1	4	0.7%
<b>Non-Research - Total</b>	<b>104</b>	<b>582</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	250	1,450	55.8%
State of Michigan	23	146	5.6%
Other	76	370	14.2%
Industry/CO	85	319	12.3%
Foundation	23	177	6.8%
Association	36	133	5.1%
Various Donors - Advancement	1	4	0.2%
<b>TOTAL</b>	<b>494</b>	<b>2,599</b>	<b>100%</b>

## Current Year / Previous Year

### Gift & Grant Awards

Meeting Date: 06/24/2022

Current Period: Mar 24, 2022 - May 27, 2022

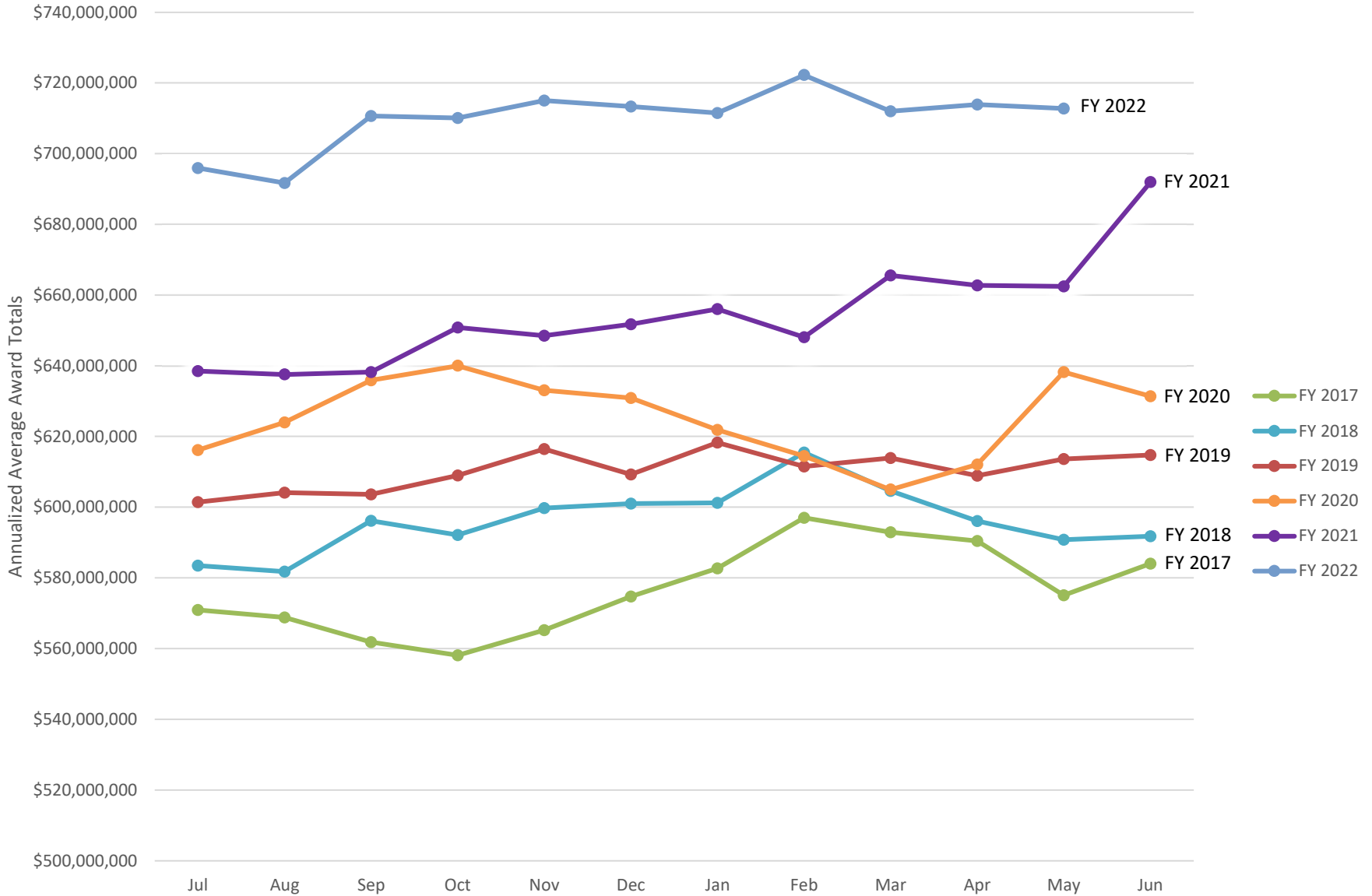
#### AWARD TOTALS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$375,739,829	\$375,035,193	-0.2%
State of Michigan	\$8,351,578	\$18,683,257	123.7%
Other	\$18,760,555	\$16,362,996	-12.8%
Industry/CO	\$8,977,218	\$10,623,245	18.3%
Foundation	\$16,129,506	\$18,335,366	13.7%
Association	\$3,687,995	\$2,878,791	-21.9%
<b>Research - Total</b>	<b>\$431,646,680</b>	<b>\$441,918,847</b>	<b>2.4%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$187,560,735	\$94,142,291	-49.8%
State of Michigan	\$37,341,775	\$7,527,760	-79.8%
Other	\$24,224,486	\$25,262,686	4.3%
Industry/CO	\$4,517,426	\$6,340,240	40.4%
Foundation	\$14,347,321	\$8,238,325	-42.6%
Association	\$293,882	\$221,666	-24.6%
Various Donors - Advancement	\$80,818,483	\$170,660,163	111.2%
<b>Non-Research - Total</b>	<b>\$349,104,108</b>	<b>\$312,393,132</b>	<b>-10.5%</b>
Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change
Federal Government	\$563,300,564	\$469,177,485	-16.7%
State of Michigan	\$45,693,352	\$26,211,017	-42.6%
Other	\$42,985,040	\$41,625,682	-3.2%
Industry/CO	\$13,494,644	\$16,963,485	25.7%
Foundation	\$30,476,827	\$26,573,690	-12.8%
Association	\$3,981,877	\$3,100,457	-22.1%
Various Donors - Advancement	\$80,818,483	\$170,660,163	111.2%
<b>TOTAL</b>	<b>\$780,750,788</b>	<b>\$754,311,979</b>	<b>-3.4%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	1,162	1,169	0.6%
State of Michigan	96	96	0.0%
Other	284	283	-0.4%
Industry/CO	241	254	5.4%
Foundation	86	93	8.1%
Association	291	122	-58.1%
<b>Research - Total</b>	<b>2,160</b>	<b>2,017</b>	<b>-6.6%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	261	281	7.7%
State of Michigan	46	50	8.7%
Other	114	87	-23.7%
Industry/CO	116	65	-44.0%
Foundation	103	84	-18.4%
Association	19	11	-42.1%
Various Donors - Advancement	4	4	0.0%
<b>Non-Research - Total</b>	<b>663</b>	<b>582</b>	<b>-12.2%</b>
Total			
Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	1,423	1,450	1.9%
State of Michigan	142	146	2.8%
Other	398	370	-7.0%
Industry/CO	357	319	-10.6%
Foundation	189	177	-6.3%
Association	310	133	-57.1%
Various Donors - Advancement	4	4	0.0%
<b>TOTAL</b>	<b>2,823</b>	<b>2,599</b>	<b>-7.9%</b>

### Michigan State University 3 Year Annualized Average Awards



## Top 10 Awards for the June 24, 2022 BOT Meeting

Rank	Sponsor Type	Award Amount	Principal Investigator	Sponsor	Department	New or Modification	Award Activity Type	Project Dates	Project Title
1	Federal Government	\$15,000,000	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	\$10,500,000	Johannes Bauer	US Dept of Commerce	MEDIA AND INFORMATION	New	Public Service	06/01/2022 05/31/2023	MOON-Light project
3	Foundation	\$1,969,490	Karimbhai Maredia	Bill & Melinda Gates Foundation	ENTOMOLOGY AGRICULTURE AND NATURAL RES	Modification	Education/Instruction	09/25/2020 05/09/2025	African Biosafety Network of Expertise: Phase 3 AUDA-NEPAD Program
4	Federal Government	\$1,545,650	Erica Tobe	Bureau of Justice Assistance	EXTENSION CHILDREN AND YOUTH	New	Education/Instruction	10/01/2021 09/30/2024	Bringing Mental Health First Aid to STOP School Violence
5	Federal Government	\$1,538,494	Ting Xu	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	10/06/2021 02/28/2025	Proposal to Supply LCLS-II HE SRF Gun
6	Federal Government	\$1,201,000	Alexandra Gade	US Dept of Energy	NATL SUPERCONDUCTING CYCLOTRON LAB	Modification	Research	10/01/2019 11/30/2022	Nuclear Structure Studies at the Limits of Stability
7	Federal Government	\$1,123,923	Terrie Taylor	National Inst of Allergy & Infectious Diseases	OSTEOPATHIC MEDICAL SPECIALTIES COM	Modification	Research	07/01/2010 03/31/2024	The Intransigence of Malaria in Malawi: Understanding Hidden Reservoirs, Successful Vectors and Prevention Failures
8	Federal Government	\$934,088	Stacey Missmer	National Inst of Health	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	Modification	Research	08/01/2018 04/30/2023	What is Endometriosis? Deep Phenotyping to Advance Diagnosis and Treatment
9	Federal Government	\$900,052	Jianping Hu	National Science Foundation	PLANT RESEARCH LABORATORY NAT SCIENCE	New	Research	05/15/2022 04/30/2026	Collaborative Research: Molecular mechanisms governing the cytoskeleton-mediated motility and distribution of peroxisomes and mitochondria in plants
10	Federal Government	\$833,437	Parisa Kordjamshidi	Office of Naval Research	COMPUTER SCIENCE AND ENGINEERING	Modification	Research	11/01/2019 10/31/2023	A Declarative Learning Based Programming Framework for Integration of Domain Knowledge and Statistical Learning
	<b>TOTAL</b>	<b>\$35,546,134</b>							

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**June 2022**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
<b>COLLEGE OF AGRICULTURE AND NAT RESOURCES</b>					
1	\$48,873	GRAND VALLEY STATE UNIV	Gammans, Matthew	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	WATER SCARCITY IN THE SERBIAN DANUBE: AGRICULTURAL LAND USE CHANGE AND IRRIGATION
2	\$39,669	KANSAS STATE UNIV	Maredia, Mywish	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	ECONOMIC IMPACT OF IMPROVED BEAN VARIETIES IN CENTRAL AMERICA AND USA
3	\$600,000	FOREIGN AGRICULTURAL SERVICE	Maredia, Mywish	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	SUPPORT FOR APPLIED RESEARCH AND ANALYSIS IN KENYA AND EAST AFRICA REGION (SARA-KEA)
4	\$17,893	CALIFORNIA POLYTECHNIC STATE UNIV FOUNDATION	Rudi Polloshka, Jeta	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	SUPPORTING UNDERSERVED CALIFORNIA LEAFY-GREEN PRODUCERS' FSMA COMPLIANCE, THROUGH INTERDISCIPLINARY FOOD SAFETY, COMMUNICATION AND MARKETING TRAINING.
5	\$65,334	IOWA STATE UNIV	Shupp, Robert	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CROP INSURANCE POLICY DESIGN AND PROGRAM PARTICIPATION: CONCEPTUAL AND EMPIRICAL ANALYSES WITH ECONOMIC AND PSYCHOLOGICAL DECISION PARADIGMS.
6	\$322,787	NATIONAL INST OF HEALTH	Chen, Chen	ANIMAL SCIENCE DEPARTMENT ANR	TUDOR DOMAIN PROTEINS IN GERMLINE GENOME DEFENSE
7	\$307,803	NATIONAL INST OF HEALTH	Chen, Chen	ANIMAL SCIENCE DEPARTMENT ANR	MITOCHONDRIA-ANCHORED PROTEIN COMPLEXES IN PIRNA BIOGENESIS AND FUNCTION
8	\$214,063	UNIVERSITY OF WISCONSIN	Vandelaar, Michael	ANIMAL SCIENCE DEPARTMENT ANR	METABOLIC EFFICIENCY OF NUTRIENT USE CONTRIBUTES TO INDIVIDUAL DAIRY COW VARIATION IN FEED EFFICIENCY
9	\$769,000	NATIONAL INST OF FOOD & AGRICULTURE	Alocilja, Evangelyn	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	PARTNERSHIP: DEVELOPMENT OF A NANOPARTICLE-ENABLED ENRICHMENT AND DNA-BIOSENSING FOR ONSITE MONITORING OF MULTIPLE FOODBORNE PATHOGENS IN LARGE SAMPLES
10	\$20,883	NOVASINA AG	Alocilja, Evangelyn	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	PCR-LESS DNA-AUNP BIOSENSOR OPTIMIZATION FOR RAPID BACTERIAL EXTRACTION AND DETECTION IN SELECTED FOOD SAMPLES
11	\$29,973	MICHIGAN SOYBEAN COMMITTEE	Dong, Younsuk	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	UTILIZATION OF SENSOR TECHNOLOGY TO IMPROVE WATER AND DISEASE MANAGEMENT IN IRRIGATED SOYBEAN FIELDS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**June 2022**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
12	\$120,000	AGRICULTURAL RESEARCH SERVICE	Liao, Wei	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	STRATEGIES TO IMPROVE ANAEROBIC DIGESTION FOR SMALL TO MEDIUM-SIZED LIVESTOCK OPERATIONS IN THE U.S.
13	\$33,534	CONSUMERS ENERGY	Surbrook, Truman	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	CONSUMERS ENERGY DUES 2022
14	\$16,767	DTE ENERGY	Surbrook, Truman	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	MAEC DUES 2022
15	\$16,767	SEMCO ENERGY INC	Surbrook, Truman	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	MAEC DUES 2022
16	\$100,000	LAWRENCE BERKELEY NATIONAL LABORATORY	Bessette, Douglas	DEPARTMENT OF COMMUNITY SUSTAINABILITY	COMMUNITY-CENTERED SOLAR DEVELOPMENT: EXPLORING THE KEY ENABLING COMMUNITY FACTORS, IMPACTS AND OPPORTUNITIES FOR LARGE-SCALE SOLAR PROJECTS
17	\$70,000	MICHIGAN DEPT OF EDUCATION	Forbush, Mark	DEPARTMENT OF COMMUNITY SUSTAINABILITY	2022/23 OCTE GRANT
18	\$160,996	NATIONAL PARK SERVICE	Perry, Elizabeth	DEPARTMENT OF COMMUNITY SUSTAINABILITY	SLEEPING BEAR DUNES NATIONAL LAKESHORE 2022-2024 VISITOR USE MANAGEMENT STUDY
19	\$100,000	MICHIGAN DEPT OF EDUCATION	Rogers-Randolph, Tiffany	DEPARTMENT OF COMMUNITY SUSTAINABILITY	FFA 2022-2023
20	\$7,199	VARIOUS INDUSTRIES	Benbow, Mark	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BENBOW TESTING PROJECTS
21	\$7,000	MICHIGAN BEEKEEPERS ASSOC	Huang, Zachary	ENTOMOLOGY AGRICULTURE AND NATURAL RES	GENERAL HONEY BEE RESEARCH GIFT
22	\$35,500	VARIOUS INDUSTRIES	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	ISAACS TESTING PROJECTS
23	\$94,497	FOREIGN AGRICULTURAL SERVICE	Jiang, Wayne	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MAXIMUM RESIDUE LIMIT (MRL) HARMONIZATION, EUROPEAN UNION (EU) ALIGNMENT, AND PESTICIDE REGULATION FOR TURKEY

**Gift, Grant and Contract Report**  
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	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
24	\$1,969,490	NEW PARTNERSHIPS FOR AFRICAS DEVELOPMENT	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	AFRICAN BIOSAFETY NETWORK OF EXPERTISE: PHASE 3 AUDA-NEPAD PROGRAM
25	\$27,328	MICHIGAN SOYBEAN COMMITTEE	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SOYBEAN CYST NEMATODE MANAGEMENT USING SELECTED COVER CROPS AND COVER CROP BLEND WITH PI 437654 (SCN RESISTANT WILD TYPE SOYBEAN), ALONG WITH COMPOST AND MANURES
26	\$95,685	WEST CENTRAL MICHIGAN HORTICULTURAL RESEARCH INC	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	FINDING SOLUTIONS TO CHERRY ORCHARD REPLANT DISORDER USING CHEMICAL AND ORGANIC AMENDMENTS
27	\$6,451	MICHIGAN SOYBEAN COMMITTEE	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EVALUATION OF DIFFERENT SOURCES OF SOYBEANS AS A 'TRAP CROP' FOR SOYBEAN CYST NEMATODE IN GREENHOUSE CONDITION
28	\$129,850	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	FACILITATING SPREAD OF THE MICROSPORIDIAN PATHOGEN, OVAVESICULA POPILLIAE, FOR LONG-TERM SUPPRESSION OF JAPANESE BEETLE
29	\$555,281	NATIONAL SCIENCE FOUNDATION	Wetzel, William	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RCN: THE HERBIVORY VARIABILITY NETWORK: EXPANDING BEYOND THE MEAN TO EMBRACE HIGHER MOMENTS IN THE ECOLOGY AND EVOLUTION OF SPECIES INTERACTIONS
30	\$11,803	MICHIGAN CHERRY COMMITTEE	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING ALTERNATIVE INSECTICIDES FOR PEACHTREE BORER CONTROL IN CHERRIES
31	\$37,462	GREAT LAKES FISHERY COMMISSION	Bence, James	FISHERIES AND WILDLIFE	GLFC SUPPORT FOR QFC
32	\$57,101	GREAT LAKES FISHERY COMMISSION	Bence, James	FISHERIES AND WILDLIFE	ASSESSING INDIVIDUAL VARIABILITY IN GROWTH RATES FOR GREAT LAKES FISH POPULATIONS
33	\$50,478	NATIONAL SCIENCE FOUNDATION	Cheruvellil, 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
34	\$76,405	GREAT LAKES FISHERY COMMISSION	Hume, John	FISHERIES AND WILDLIFE	SEA LAMPREY AQUACULTURE AND PROCUREMENT INITIATIVE
35	\$60,000	GREAT LAKES FISHERY COMMISSION	Infante, Dana	FISHERIES AND WILDLIFE	SUPPORT FOR THE GREAT LAKES AQUATIC HABITAT FRAMEWORK
36	\$127,800	MICHIGAN DEPT OF NATURAL RESOURCES	Latimore, Jo	FISHERIES AND WILDLIFE	RIPPLE III: EDUCATION ABOUT INVASIVES IN AQUARIUM AND POND TRADE
37	\$409,492	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	PERSONNEL AND OPERATIONS COST FOR SEA LAMPREY GML LAB-PERM



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**June 2022**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
38	\$126,679	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	STRUCTURE AND FUNCTION OF NOVEL PHEROMONES FROM SEA LAMPREY MILT
39	\$262,586	IOWA STATE UNIV	Loch, Thomas	FISHERIES AND WILDLIFE	IMPROVING FISH HEALTH IN THE NCR BY INTEGRATING EXTENSION WITH THE DEVELOPMENT OF ALTERNATIVE DISEASE PREVENTION METHODS
40	\$302,143	GERALD R FORD INTERNATIONAL AIRPORT	Murphy, Cheryl	FISHERIES AND WILDLIFE	AIRPORT ENVIRONMENTAL MITIGATION PILOT PROGRAM - WATER QUALITY IMPROVEMENTS
41	\$25,822	GREAT LAKES FISHERY COMMISSION	Robinson, John	FISHERIES AND WILDLIFE	DEVELOPMENT AND APPLICATION OF GENETIC METHODS TO SUPPORT GREAT LAKES FISHERY MANAGEMENT NEEDS
42	\$13,019	UNIVERSITY OF MICHIGAN	Taylor, William	FISHERIES AND WILDLIFE	MICHIGAN SEA GRANT OMNIBUS FY 2022-2023
43	\$35,335	WELLESLEY COLLEGE	Comstock, Sarah	FOOD SCIENCE AND HUM NUTRITION ANR	DIVERSITY OF HUMAN MILK OLIGOSACCHARIDE METABOLIZING GENES IN TWO INFANT COHORTS
44	\$39,174	UNIVERSITY OF CALIFORNIA LOS ANGELES	Fenton, Jenifer	FOOD SCIENCE AND HUM NUTRITION ANR	TOWARDS SCALABLE PRODUCTION OF PALATABLE AND NUTRITIOUS CULTURED MEAT USING EDIBLE, TUNABLE SCAFFOLDS
45	\$214,501	GREENACRES FOUNDATION	Fenton, Jenifer	FOOD SCIENCE AND HUM NUTRITION ANR	GREENACRES EGG CHARACTERIZATION STUDY
46	\$420,097	NATIONAL INST OF HEALTH	Strakovsky, Rita	FOOD SCIENCE AND HUM NUTRITION ANR	EXPOSURE TO PHTHALATE MIXTURES IN PREGNANCY AND LONG-TERM CONSEQUENCES FOR MATERNAL METABOLIC AND HORMONAL STATUS
47	\$37,447	NATIONAL INST OF HEALTH	Wierenga, Kate	FOOD SCIENCE AND HUM NUTRITION ANR	OMEGA-3 FATTY ACID SUPPRESSION OF SILICA-INDUCED INFLAMMASOME ACTIVATION IN A NOVEL ALVEOLAR MACROPHAGE MODEL
48	\$25,000	TUFTS UNIV	Wu, Felicia	FOOD SCIENCE AND HUM NUTRITION ANR	FOOD SYSTEMS FOR NUTRITION INNOVATION LAB (FSN-IL)
49	\$80,000	INST FOR THE ADVANCEMENT OF FOOD & NUTRITION SCI	Wu, Felicia	FOOD SCIENCE AND HUM NUTRITION ANR	HEAVY METALS IN US FOODS: EXPOSURE ASSESSMENT BY AGE GROUPS, AND MITIGATION STRATEGIES
50	\$27,500	USDA FOREST SERVICE	Cooper, Lauren	FORESTRY	E-LEARNING TRAINING IN CARBON AND CLIMATE FOR PERUVIAN PROFESSIONALS
51	\$173,000	MICHIGAN DEPT OF NATURAL RESOURCES	Kobe, Richard	FORESTRY	MAGNIFYING THE IMPACT OF MICHIGAN STATE UNIVERSITY'S MASS TIMBER STEM BUILDING

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**June 2022**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
52	\$55,000	OREGON STATE UNIV	Nejad, Mojgan	FORESTRY	SWEETWATER-21: INVESTIGATING LIGNIN CONSISTENCY FROM BATCH-TO-BATCH AND NE-05-NE YEAR 2
53	\$109,985	MICHIGAN DEPT OF NATURAL RESOURCES	Pokharel, Raju	FORESTRY	DNR BIOMASS POWER ECONOMIC ANALYSIS
54	\$15,200	MICHIGAN CHERRY COMMITTEE	Chaudhari, Sushila	HORTICULTURE ANR	DEVELOPMENT OF SUSTAINABLE WEED MANAGEMENT STRATEGIES FOR MICHIGAN CHERRY GROWERS BY IDENTIFY PROMISING NEW HERBICIDES
55	\$13,753	MDARD HORTICULTURE FUND	Cregg, Bert	HORTICULTURE ANR	IMPROVING CONIFER PLANTATION ESTABLISHMENT: IMPACTS OF SEEDLING QUALITY AND PRE-PLANT TREATMENTS
56	\$14,403	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Fernandez, Rodney	HORTICULTURE ANR	ENGINEERED SUBSTRATES AND IRRIGATION MANAGEMENT TO IMPROVE NITROGEN, PHOSPHORUS AND WATER RETENTION IN NURSERY CONTAINER PRODUCTION
57	\$9,632	MICHIGAN CHERRY COMMITTEE	Lang, Gregory	HORTICULTURE ANR	EVALUATING AND OPTIMIZING TART AND SWEET CHERRY ROOTSTOCKS AND PRODUCTIONS SYSTEMS
58	\$181,052	MICHIGAN STATE HORTICULTURAL SOCIETY	Lang, Gregory	HORTICULTURE ANR	ORCHARD INNOVATIONS TO SUSTAIN MICHIGAN PEACH/NECTARINE INDUSTRY PROFITABILITY
59	\$20,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Saha, Debalina	HORTICULTURE ANR	IMPACT OF FERTILIZER PLACEMENTS ON WEED COMPETITION WITH CONTRAINER-GROWN ORNAMENTALS
60	\$99,768	US ENVIRONMENTAL PROTECTION AGENCY	Rabnawaz, Muhammad	PACKAGING	PLANET-FRIENDLY APPROACH TOWARDS RECYCLABLE PAPER
61	\$11,500	VARIOUS INDUSTRIES	Cassida, Kimberly	PLANT SOIL AND MICROBIAL SCIENCES	OLSON TESTING PROJECTS
62	\$117,527	CATHOLIC RELIEF SERVICES	Chikowo, Regis	PLANT SOIL AND MICROBIAL SCIENCES	CALIBRATION OF AN ACCESSIBLE AND AFFORDABLE TOOL FOR ORGANIC CARBON MONITORING AT SCALE IN CRS LAND RESTORATION PLATFORMS
63	\$25,000	MICHIGAN SOYBEAN COMMITTEE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	SOYBEAN SDS AND SCN MANAGEMENT: RISK PREDICTION, SEED TREATMENTS AND VARIETY SCREENING
64	\$20,000	MICHIGAN SOYBEAN COMMITTEE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	SOYBEAN FUNGICIDE APPLICATION TECHNOLOGIES AND FUNGICIDE RESISTANCE
65	\$75,000	BAYER CROPSCIENCE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	TESTING OF BAYER PRODUCTS

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66	\$35,000	MICHIGAN SOYBEAN COMMITTEE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	WHITE MOLD MANAGEMENT: EPIDEMIOLOGY, SPORECASTER, FUNGICIDE TIMING AND PLANT RESISTANCE
67	\$50,000	MICHIGAN CROP IMPROVEMENT ASSOC	Gomez, Francisco	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPING DRY BEAN CULTIVARS WITH HIGH-YIELDING, DISEASE RESISTANT, DROUGHT TOLERANT, AND HIGH CANNING QUALITY SUITABLE FOR DIRECT HARVEST IN MICHIGAN
68	\$31,480	AGRICULTURAL RESEARCH SERVICE	Gomez, Francisco	PLANT SOIL AND MICROBIAL SCIENCES	BEAN FLOUR EVALUATION AND PRODUCT DEVELOPMENT
69	\$25,100	BEEET SUGAR DEVELOPMENT FOUNDATION	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	SUGARBEET RESEARCH
70	\$43,087	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
71	\$96,150	OREGON STATE UNIV	Lebeis, Sarah	PLANT SOIL AND MICROBIAL SCIENCES	IDENTIFYING PLANT GENES ASSOCIATED WITH BENEFICIAL FOLIAR YEASTS IN POPULUS TRICHOCARPA
72	\$295,662	NATIONAL SCIENCE FOUNDATION	Lebeis, Sarah	PLANT SOIL AND MICROBIAL SCIENCES	CAREER: DEFINING COLONIZATION MECHANISMS AND FUNCTIONS OF STREPTOMYCES STRAINS IN ROOT MICROBIOMES
73	\$12,500	AGBIOME INC	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	TESTING OF AGBIOME PRODUCTS
74	\$240,500	VARIOUS INDUSTRIES	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	MILES PSM TESTING
75	\$12,500	VARIOUS INDUSTRIES	Nikolai, Thomas	PLANT SOIL AND MICROBIAL SCIENCES	NIKOLAI PSM TESTING
76	\$105,194	UNIVERSITY OF CALIFORNIA DAVIS	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	NIFA CAP: LEVERAGING HIGH-THROUGHPUT GENOTYPING AND PHENOTYPING TECHNOLOGIES TO ACCELERATE WHEAT IMPROVEMENT AND MITIGATE THE IMPACTS OF CLIMATE CHANGE TECHNOLOGIES TO ACCELERATE WHEAT IMPROVEMENT
77	\$42,000	MICHIGAN CROP IMPROVEMENT ASSOC	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPMENT OF SOFT WINTER WHEAT VARIETIES FOR MICHIGAN AND THE GREAT LAKES REGION

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78	\$26,155	MICHIGAN SOYBEAN COMMITTEE	Patterson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPING AND IMPROVING NEW ASSAYS FOR RAPID HERBICIDE RESISTANCE DIAGNOSTICS
79	\$45,250	MICHIGAN WHEAT PROGRAM	Pennington, Dennis	PLANT SOIL AND MICROBIAL SCIENCES	MI WHEAT - WINTERSTEIGER MONOSEED PLANTER FOR PENNINGTON RESEARCH PROGRAM
80	\$38,454	MICHIGAN WHEAT PROGRAM	Pennington, Dennis	PLANT SOIL AND MICROBIAL SCIENCES	MI WHEAT 2021 - 2022 PROGRAM OF WORK
81	\$16,248	VARIOUS INDUSTRIES	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	SINGH PSM TESTING
82	\$56,942	MICHIGAN SOYBEAN COMMITTEE	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	OPTIMIZING PLANTING DECISIONS FOR IMPROVED YIELD AND PROFITABILITY IN MICHIGAN SOYBEANS
83	\$28,090	MICHIGAN SOYBEAN COMMITTEE	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	INVESTIGATING WEED MANAGEMENT STRATEGIES FOR EARLY-PLANTED SOYBEAN
84	\$12,600	BAYER CROPSCIENCE	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	TESTING OF BAYER CROPSCIENCE PRODUCTS
85	\$22,605	MICHIGAN SOYBEAN COMMITTEE	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	WATERHEMP MANAGEMENT STRATEGIES USING DIFFERENT SOYBEAN TECHNOLOGIES
86	\$15,000	MICHIGAN SUGARBEET ADVANCEMENT	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	WATERHEMP CONTROL IN SUGARBEET
87	\$8,241	MICHIGAN SOYBEAN COMMITTEE	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	OPTIMIZING WEED CONTROL IN NON-GMO SOYBEAN
88	\$123,000	VARIOUS INDUSTRIES	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	SPRAGUE PSM TESTING
89	\$124,038	VARIOUS INDUSTRIES	Steinke, Kurt	PLANT SOIL AND MICROBIAL SCIENCES	STEINKE PSM TESTING

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90	\$47,000	MICHIGAN SOYBEAN COMMITTEE	Steinke, Kurt	PLANT SOIL AND MICROBIAL SCIENCES	ADJUSTING NUTRIENT MANAGEMENT STRATEGIES TO ENHANCE SOYBEAN PRODUCTION - YEAR 2
91	\$25,300	DUPONT CROP PROTECTION	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	GIFT SUPPORT RESEARCH AND EXTENSION PROGRAMS
92	\$113,802	VARIOUS INDUSTRIES	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	SUNDIN PSM TESTING
93	\$16,700	UPL NA INC	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	GIFT FOR APPLE RESEARCH AND EDUCATION PROGRAM
94	\$50,900	UPL NA INC	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	APPLE RESEARCH AND EDUCATION PROGRAM GIFT
95	\$28,025	RAINBOW TREECARE	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	RESEARCH GIFT FOR TREECARE RESEARCH AND EDUCATION
96	\$16,100	AGBIOME INC	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	APPLE RESEARCH AND EDUCATION PROGRAM
97	\$23,922	MICHIGAN CHERRY COMMITTEE	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	SDHI FUNGICIDE SENSITIVITY OF THE AMERICAN BROWN ROT PATHOGEN MONILINIA FRUCTICOLA AND EVALUATION OF BROAD SPECTRUM FUNGICIDES FOR CHERRY LEAF SPOT MANAGEMENT
98	\$8,830	MICHIGAN CHERRY COMMITTEE	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	ISOLATION AND ANALYSIS OF BACTERIOPHAGE TARGETING THE BACTERIAL CANKER PATHOGEN PSEUDOMONAS SYRINGAE: POTENTIAL FOR BIOCONTROL
99	\$180,000	RURAL DEVELOPMENT ADMINISTRATION (RDA) OF THE REPUBLIC OF KOREA	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	ESTABLISHING THE INTERNATIONAL NETWORK FOR PREVENT AND MANAGEMENT OF FIRE BLIGHT
100	\$52,100	VARIOUS INDUSTRIES	Vargas, Joseph	PLANT SOIL AND MICROBIAL SCIENCES	VARGAS PSM TESTING
101	\$117,086	MICHIGAN SOYBEAN COMMITTEE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	SOYBEAN BREEDING AND GENETIC IMPROVEMENT FOR MICHIGAN ENVIRONMENTS

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102	\$15,120	VARIOUS INDUSTRIES	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	WANG TESTING PROJECTS
103	\$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 (YR 3)
104	\$54,489	MICHIGAN SOYBEAN COMMITTEE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	ENHANCE RESEARCH IN SOYBEAN FIELD EVALUATIONS IN MICHIGAN
105	\$19,000	BEEET SUGAR DEVELOPMENT FOUNDATION	Willbur, Jaime	PLANT SOIL AND MICROBIAL SCIENCES	FUNDS TO COVER GRAD STUDENT SALARY
106	\$10,000	MICHIGAN SUGARBEET ADVANCEMENT	Willbur, Jaime	PLANT SOIL AND MICROBIAL SCIENCES	EARLY-SEASON FUNGICIDE RESISTANCE MONITORING FOR FOLIAR SUGAR BEET PATHOGENS
107	\$50,100	VARIOUS INDUSTRIES	Willbur, Jaime	PLANT SOIL AND MICROBIAL SCIENCES	WILLBUR PSM TESTING
108	\$648,121	NATIONAL SCIENCE FOUNDATION	Berghorn, George	SCHOOL OF PLANNING DES CONSTRUCTION ANR	ENHANCING DESIGN AND CONSTRUCTION TECHNOLOGY EDUCATION THROUGH THE CONTEXT OF MASS TIMBER
109	\$86,617	FEONIX MOBILITY RISING	Wilson, Mark	SCHOOL OF PLANNING DES CONSTRUCTION ANR	FTA HOPE GRANT SOW: HELPING OBTAIN PROSPERITY FOR EVERYONE
110	\$53,440	ERB FAMILY FOUNDATION	Asher, Aaron	WATER RESEARCH INSTITUTE ANR	IMPROVING WATER QUALITY MONITORING CAPACITY IN THE WESTERN BASIN OF LAKE ERIE
111	\$110,000	ERB FAMILY FOUNDATION	Asher, Aaron	WATER RESEARCH INSTITUTE ANR	INCREASING AGRICULTURAL CONSERVATION ADOPTION THROUGH WATER QUALITY SAMPLING
<b>COLLEGE OF ARTS AND LETTERS</b>					
112	\$99,946	SOCIAL SCIENCE RESEARCH COUNCIL	Long, Christopher	AL RESEARCH AND SCHOLARSHIP	PATHWAYS OF PRESENCING - TOWARD WHOLENESS
113	\$8,000	SEATTLE CHILDRENS HOSPITAL	Baker Bell, April	ENGLISH	A CROSS-DISCIPLINARY APPROACH TO ANTI-RACIST MEDICAL EDUCATION
114	\$152,734	INST OF INTL EDUCATION	Albee, Mark	ENGLISH LANGUAGE CENTER	MSU FOREIGN FULBRIGHT ENGLISH FOR GRADUATE STUDIES PROGRAM

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115	\$18,686	NATIONAL SCIENCE FOUNDATION	Godfroid, Aline	LINGUISTICS, LANGUAGES, AND CULTURES	DOCTORAL DISSERTATION RESEARCH: TESTING THE THREE-STAGE MODEL OF SECOND LANGUAGE SKILL ACQUISITION
<b>COLLEGE OF COMMUNICATION ARTS SCIENCES</b>					
116	\$642,969	NATIONAL INST OF HEALTH	Hunter, Eric	COMMUNICATIVE SCIENCES DISORDERS CAS	PROTECTING TEACHERS' VOICES: INVESTIGATING RISK FACTORS, CONDUCTING COST ANALYSIS
117	\$137,795	NATIONAL INST OF HEALTH	Naghiboldhosseini, Maryam	COMMUNICATIVE SCIENCES DISORDERS CAS	STUDYING THE LARYNGEAL MECHANISMS UNDERLYING DYSPHONIA IN CONNECTED SPEECH
118	\$188,022	NATIONAL INST OF HEALTH	Naghiboldhosseini, Maryam	COMMUNICATIVE SCIENCES DISORDERS CAS	BAYESIAN DATA-DRIVEN SUBJECT-SPECIFIC MODELING OF VOICE PRODUCTION
119	\$735,243	NATIONAL INST OF HEALTH	Venker, Courtney	COMMUNICATIVE SCIENCES DISORDERS CAS	HOW SINGLE-WORD AND TELEGRAPHIC SIMPLIFICATION AFFECTS LANGUAGE PROCESSING AND WORD LEARNING IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER
120	\$632,919	NATIONAL INST OF HEALTH	Walsh, Bridget	COMMUNICATIVE SCIENCES DISORDERS CAS	DEVELOPMENTAL TRAJECTORIES TO STUTTERING PERSISTENCE AND RECOVERY
121	\$10,500,000	US DEPT OF COMMERCE	Bauer, Johannes	MEDIA AND INFORMATION	MOON-LIGHT PROJECT
<b>COLLEGE OF EDUCATION</b>					
122	\$200,000	MICHIGAN CORRECTIONS	Beverly, Bryan	CED OUTREACH	PROFESSIONAL DEVELOPMENT SUPPORT FOR THE MDOC EDUCATORS - YEAR 2
123	\$108,675	TEACHERS COLLEGE COLUMBIA UNIV	Frank, Kenneth	COUNSELING, EDUC PSYCH & SPEC EDUC	UNDERSTANDING FIRST-GENERATION COLLEGE STUDENTS' CONNECTIONS TO SUPPORT ON AND OFF CAMPUS
124	\$408,380	NATIONAL INST OF HEALTH	Linnenbrink-Garcia, Lisa	COUNSELING, EDUC PSYCH & SPEC EDUC	CONTEXTUAL FACTORS AND PSYCHOLOGICAL MECHANISMS THAT SUPPORT OR DISRUPT BIOMEDICAL CAREER PATHWAYS
125	\$25,953	SIMMERSON	Sung, Connie	COUNSELING, EDUC PSYCH & SPEC EDUC	APPLIED SOCIAL COGNITIVE SKILLS IN THE WORKPLACE FOR TRANSITION-AGED YOUTH WITH AUTISM SPECTRUM DISORDER
126	\$169,000	APPLE	Yadav, Aman	COUNSELING, EDUC PSYCH & SPEC EDUC	CREATIVITY AND COMPUTING IN DETROIT
127	\$39,056	VARIOUS SCHOOLS	Markle, Barbara	EDUCATION DEAN	K-12 SCHOOL IMPROVEMENT TRAINING

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128	\$150,000	VARIOUS SCHOOLS	Paine, Lynn	EDUCATION DEAN	CHINESE TEACHER CERTIFICATION PROGRAM
129	\$337,500	MICHIGAN DEPT OF EDUCATION	Strunk, Katharine	EDUCATION POLICY CENTER	MDE PARTNERSHIP SURVEY
<b>COLLEGE OF ENGINEERING</b>					
130	\$584,410	FORD MOTOR CO	Boeman, Raymond	CHEMICAL ENGINEERING AND MATERIALS SCI	DOE-FORD-SURF:MULTI-FUNCTIONAL SMART STRUCTURES FOR SMART VEHICLES
131	\$156,758	NATIONAL INST OF HEALTH	Szczepanski, Caroline	CHEMICAL ENGINEERING AND MATERIALS SCI	REINFORCING DENTAL ADHESIVES WITH MONOMERS CAPABLE DYNAMIC REARRANGEMENT AND SELF-RECOVERY
132	\$110,766	NATIONAL SCIENCE FOUNDATION	Zevalkink, Alexandra	CHEMICAL ENGINEERING AND MATERIALS SCI	CAREER: DECOUPLING STRUCTURE AND COMPOSITION WITH ZINTL POLYMORPHS
133	\$200,000	FORD MOTOR CO	Anctil, Annick	CIVIL AND ENVIRONMENTAL ENGINEERING	001230-MSU
134	\$60,000	STATE OF IOWA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	INTRODUCING SMART MATERIALS IN GRANULAR ROADWAY AND PAVEMENT FOUNDATION SYSTEMS FOR MITIGATING FREEZE-THAW DAMAGE
135	\$200,000	MINNESOTA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	PERFORMANCE EVALUATION OF WICKING GEOTEXTILES FOR IMPROVING DRAINAGE AND STIFFNESS OF ROAD FOUNDATION
136	\$169,559	US DEPT OF ENERGY	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	INDUSTRIAL ASSESSMENT CENTER AT MICHIGAN STATE UNIVERSITY
137	\$31,129	US DEPT OF STATE	Chatti, Karim	CIVIL AND ENVIRONMENTAL ENGINEERING	TECHNICAL SUPPORT FOR SUBMISSION OF ABET ACCREDITATION OF 'ECOLE POLYTECHNIQUE DE TUNISIE' (EPT)
138	\$100,000	STATE OF IOWA DEPT OF TRANSPORTATION	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	ANALYSIS OF IMPROVEMENTS IN THE EFFECTIVENESS OF SPEED FEEDBACK TRAILERS
139	\$114,998	MICHIGAN OFFICE OF HIGHWAY SAFETY PLANNING	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	CHILD RESTRAINT DEVICE USE AND MISUSE DIRECT OBSERVATION SURVEY (FY22)
140	\$27,362	ENGINEERING AND SOFTWARE CONSULTANTS LLC (ESC)	Kutay, Muhammed	CIVIL AND ENVIRONMENTAL ENGINEERING	VALIDATION OF UNIFIED PAVEMENT DISTRESS ANALYSIS AND PREDICTION SYSTEM MODELS AND DEVELOPMENT OF AN IMPLEMENTATION FRAMEWORK



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141	\$79,872	FORCE ENGINEERING INC	Lu, Weiyi	CIVIL AND ENVIRONMENTAL ENGINEERING	SBIR: LIQUID NANOFOAM LINER FOR AVIATOR HELMET FOR ENHANCED IMPACT PROTECTION
142	\$200,000	FORD MOTOR CO	Lu, Weiyi	CIVIL AND ENVIRONMENTAL ENGINEERING	001256-MSU
143	\$30,000	INFRASTRUCTURE ANALYTICS CO	Zockaie, Ali	CIVIL AND ENVIRONMENTAL ENGINEERING	INFRASTRUCTURE-TO-EVERYTHING (I2X) COMMUNICATION TECHNOLOGY FOR AUTONOMOUS AND CONNECTED VEHICLE SUPPORT
144	\$33,864	SPACE TELESCOPE SCIENCE INST	Kerzendorf, Wolfgang	COMPUTATIONAL MATH SCI AND ENGR EGR	HST PROPOSAL
145	\$100,000	LOS ALAMOS NATL LABORATORY	Murillo, Michael	COMPUTATIONAL MATH SCI AND ENGR EGR	AGENT BASED MODELS OF REGIONAL CONFLICT
146	\$100,000	LOS ALAMOS NATL LABORATORY	Ravishankar, Saiprasad	COMPUTATIONAL MATH SCI AND ENGR EGR	METHODS FOR INVERSE PROBLEMS: MODELS, ALGORITHMS, MACHINE LEARNING, AND THEORY
147	\$331,698	NATIONAL SCIENCE FOUNDATION	Boddeti, Vishnu	COMPUTER SCIENCE AND ENGINEERING	FAI: FAIR REPRESENTATION LEARNING: FUNDAMENTAL TRADE-OFFS AND ALGORITHMS
148	\$115,000	OFFICE OF NAVAL RESEARCH	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	DEEP LEARNING: INTEGRATING DOMAIN KNOWLEDGE AND INTERPRETING THE NETWORK DECISIONS
149	\$833,437	OFFICE OF NAVAL RESEARCH	Kordjamshidi, Parisa	COMPUTER SCIENCE AND ENGINEERING	A DECLARATIVE LEARNING BASED PROGRAMMING FRAMEWORK FOR INTEGRATION OF DOMAIN KNOWLEDGE AND STATISTICAL LEARNING
150	\$95,000	GEORGIA INST OF TECHNOLOGY	Liu, Sijia	COMPUTER SCIENCE AND ENGINEERING	ULTRA-LIGHT VIDEO INTELLIGENCE BY DATA-CIRCUIT-MODEL TRI-DESIGN: IN-PIXEL FILTERING, IN-MEMORY FOCUSING, AND IN-LOOP OPTIMIZATION
151	\$10,000	TECH5	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	MEMBERSHIP FEES FOR CITER--TECH5
152	\$20,000	CLARKSON UNIV	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	MEMBERSHIP SUPPORT FOR CENTER FOR IDENTIFICATION TECHNOLOGY RESEARCH (CITER)

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153	\$108,000	NATIONAL SCIENCE FOUNDATION	Siegel, Josh	COMPUTER SCIENCE AND ENGINEERING	COLLABORATIVE RESEARCH: REU SITE: DEVELOPING, ANALYZING, AND EVALUATING SELF-DRIVE ALGORITHMS USING REAL STREET LEGAL ELECTRIC VEHICLES ON CAMPUS
154	\$104,548	NATIONAL SCIENCE FOUNDATION	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	CAREER: SIGNED NETWORKS: MODELING, MEASURING, AND MINING
155	\$34,690	KBR	Albrecht, John	ELECTRICAL AND COMPUTER ENGINEERING	DEVELOPMENT OF A HIGH-ELECTRIC FIELD CARRIER MOBILITY MODELING TOOL BASED ON THE FIRST-PRINCIPLES EPW PACKAGE
156	\$68,824	FRAUNHOFER USA	Asmussen, Jes	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER CENTER RENEWAL
157	\$122,000	APPLIED RESEARCH ASSOCIATES INC	Balasubramaniam, Shanker	ELECTRICAL AND COMPUTER ENGINEERING	RF ANALYSIS AND VALIDATION ENGINEERING SOFTWARE (RAVENS)
158	\$210,339	NATIONAL SCIENCE FOUNDATION	Chahal, Premjeet	ELECTRICAL AND COMPUTER ENGINEERING	NSF - IPA (PD ROTATOR POSITION IN NSF/ECCS)
159	\$200,013	FORD MOTOR CO	Chahal, Premjeet	ELECTRICAL AND COMPUTER ENGINEERING	001400-MSU
160	\$211,605	US ENVIRONMENTAL PROTECTION AGENCY	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	DEVELOPMENT OF A MULTI-OBJECTIVE OPTIMIZATION TOOL FOR CHESAPEAKE BAY WATERSHED
161	\$50,000	FORD MOTOR CO	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	MULTI-OBJECTIVE OPTIMIZATION FOR DISCOVERING TRADE-OFF TARGETED MATERIALS
162	\$200,000	FORD MOTOR CO	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	001238-MSU
163	\$175,000	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
164	\$89,943	NATIONAL SCIENCE FOUNDATION	Foster, Shanelle	ELECTRICAL AND COMPUTER ENGINEERING	CAREER:AN INCLUSIVE APPROACH TO DIVERSITY INSPIRED DESIGN OF NOVEL 3D PRINTED ELECTRICAL MOTORS

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165	\$29,989	GENERAL MOTORS CORP	Foster, Shanelle	ELECTRICAL AND COMPUTER ENGINEERING	EVALUATION OF SEGMENTED STATORS AND FEA METHOD VALIDATION
166	\$33,315	NATIONAL INST OF HEALTH	McGough, Robert	ELECTRICAL AND COMPUTER ENGINEERING	FAST NUMERICAL MODELING OF MEDICAL ULTRASOUND FOR THERAPY AND IMAGING
167	\$60,000	GOOGLE INC	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	SPECTRALLY-SPARSE DISTRIBUTED LOCALIZATION FOR MOBILE MILLIMETER-WAVE NETWORKS
168	\$45,000	GREAT LAKES FISHERY COMMISSION	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	AUTOMATED WATER SAMPLER
169	\$70,000	OFFICE OF NAVAL RESEARCH	Zhang, Peng	ELECTRICAL AND COMPUTER ENGINEERING	MULTI-FREQUENCY HIGH POWER MICROWAVE GENERATION AND AMPLIFICATION VIA OPTICALLY GATED ELECTRON BEAMS
170	\$11,085	HENRY FORD HEALTH SYSTEM MICHIGAN STATE UNIVERSITY HEALTH SCIENCES	Contag, Christopher	INSTITUTE FOR QUANTITATIVE HEALTH	MODELING AND MEASURING THE SPATIOTEMPORAL DISTRIBUTION OF SYSTEMICALLY ADMINISTERED THERAPEUTICS IN BREAST CANCER BRAIN METASTASIS
171	\$193,371	ELSA U PARDEE FOUNDATION	Harada, Masako	INSTITUTE FOR QUANTITATIVE HEALTH	TARGETED EXTRACELLULAR VESICLES MEDIATED THERAPEUTIC MICRORNA DELIVERY
172	\$61,749	NATIONAL INST OF HEALTH	Li, Wen	INSTITUTE FOR QUANTITATIVE HEALTH	MICROFABRICATED ALL-DIAMOND MICROELECTRODE ARRAYS FOR NEUROTRANSMITTER SENSING AND EXTRACELLULAR RECORDING
173	\$34,704	NATIONAL INST OF HEALTH	Purcell, Erin	INSTITUTE FOR QUANTITATIVE HEALTH	STRUCTURAL AND FUNCTIONAL PLASTICITY SURROUNDING IMPLANTED NEUROPROSTHESES
174	\$13,000	IASO THERAPEUTICS INC	Qiu, Zhen	INSTITUTE FOR QUANTITATIVE HEALTH	MOUSE MODEL SUPPORT FOR PROPOSAL TITLED, "DEVELOPMENT OF PROPRIETARY BACTERIOPHAGE QBETA AS A VACCINE CARRIER PLATFORM FOR ANTI-SALMONELLA VACCINES"
175	\$35,164	IASO THERAPEUTICS INC	Qiu, Zhen	INSTITUTE FOR QUANTITATIVE HEALTH	SBIR PHASE II:PROPRIETARY BACTERIOPHAGE QBETA MUTANT AS A PLATFORM CARRIER FOR NEXT GENERATION VACCINES
176	\$85,300	DATASHAPES LLC	Bush, Tamara	MECHANICAL ENGINEERING	STUDY FOR A NEW DESIGN OF CHILD RESISTANCE PACKAGING
177	\$68,791	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Koochesfahani, Manoochehr	MECHANICAL ENGINEERING	PHASE 2: ZBOT-2 THERMOMETRY DIAGNOSTICS DEVELOPMENT

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178	\$75,000	OFFICE OF NAVAL RESEARCH	Mukherjee, Ranjan	MECHANICAL ENGINEERING	OPTIMIZATION OF A BERNOULLI PAD FOR IMPROVING THE EFFICACY OF SHEAR-BASED GROOMING OF MARINE BIOFOULING
179	\$35,000	UNIVERSITY OF MASSACHUSETTS DARTMOUTH	Mukherjee, Ranjan	MECHANICAL ENGINEERING	ADVANCES IN UNDERWATER MARINE TECHNOLOGY: NEW SOLUTIONS TO BIOFOULING
<b>COLLEGE OF HUMAN MEDICINE</b>					
180	\$7,842	ASTRA ZENECA	Hrinczenko, Borys	CANCER CENTER	NCT-02125461: D4191C00001: A PHASE III, RANDOMISED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTI-CENTRE, INTERNATIONAL STUDY OF MEDI4736 AS SEQUENTIAL THERAPY IN PATIENTS WITH LOCALLY ADVANCED, UNRESECTAB
181	\$7,765	SEATTLE GENETICS INC	Isaac, Daniel	CANCER CENTER	A STUDY OF ENFORTUMAB VEDOTIN (ASG-22CE) AS MONOTHERAPY OR IN COMBINATION WITH OTHER ANTICANCER THERAPIES FOR THE TREATMENT OF UROTHELIAL CANCER.
182	\$85,750	STEPHANIE H. & DAVID A. SPINA FAMILY FOUNDATION	Custack, Amy	CHM FLINT	EXPANSION OF IN-PERSON AND VIRTUAL HEALTHY COOKING PROGRAMS FOR YOUTH IN FLINT, MICHIGAN
183	\$780,884	NATIONAL INST OF HEALTH	Johnson, Jennifer	CHM FLINT	MEETING WOMEN WHERE THEY ARE: MULTILEVEL INTERVENTION ADDRESSING RACIAL DISPARITIES IN MATERNAL MORBIDITY AND MORTALITY
184	\$67,817	NATIONAL INST OF MENTAL HEALTH	Johnson, Jennifer	CHM FLINT	IMPLEMENTING TO SUSTAIN: DETERMINING THE MINIMUM NECESSARY INTERVENTION TO MAINTAIN A POSTPARTUM DEPRESSION PREVENTION PROGRAM (ROSE) IN CLINICS PROVIDING PRENATAL SERVICES TO LOW-INCOME WOMEN
185	\$12,457	NATIONAL INST ON MINORITY HEALTH & HEALTH DISPARITIES	Key, Kent	CHM FLINT	FAMILY HEALTH HISTORIES: CREATING A CULTURALLY TAILORED TOOL TO REDUCE HEALTH DISPARITIES IN THE AFRICAN AMERICAN COMMUNITY
186	\$109,453	NEW YORK UNIV SCHOOL OF MEDICINE	O'Connell, Lauren	CHM FLINT	COVID-19 PANDEMIC IMPACTS ON FAMILIES WITH YOUNG CHILDREN IN THE CONTEXT OF THE FLINT WATER CRISIS: POTENTIAL BUFFERING THROUGH UNIVERSAL STRENGTHS-BASED PARENTING SUPPORT
187	\$366,132	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
188	\$50,000	BLUE CROSS BLUE SHIELD OF MICHIGAN FOUNDATION	Smart, Mieka	CHM FLINT	GOING UPSTREAM TO MITIGATE MICROAGGRESSION: PROFESSIONAL DEVELOPMENT FOR MEDICAL EDUCATORS
189	\$564,500	NATIONAL INST OF HEALTH	Bohnert, Kipling	EPIDEMIOLOGY AND BIostatISTICS	TESTING A PTSD M-HEALTH INTERVENTION TO IMPROVE ALCOHOL TREATMENT OUTCOMES
190	\$49,658	MARY FREE BED REHABILITATION HOSPITAL	Reeves, Mathew	EPIDEMIOLOGY AND BIostatISTICS	MICHIGAN CHANGES HEALTHY AGING PROGRAM
191	\$669,264	US DEPT OF HOUSING & URBAN DEVELOPMENT	Morishita, Masako	FAMILY MEDICINE, DEPARTMENT OF	REDUCING LEAD DUST EXPOSURE AND CHILDHOOD BLOOD LEAD LEVELS IN OLDER HOUSING IN MICHIGAN

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192	\$17,000	HENRY FORD HEALTH SYSTEM MICHIGAN STATE UNIVERSITY HEALTH SCIENCES	Fan, Jinda	INSTITUTE FOR QUANTITATIVE HEALTH	PRODUCTION OF [18F]FHBG TO IMAGE AD5-YCD/MUTTKSR39REP-ADPIN ONGOING GENE THERAPY TRIALS
193	\$748,863	NATIONAL INST OF HEALTH	Olomu, Adesuwu	MEDICINE	IMPROVING DIABETIC PATIENTS' ADHERENCE TO TREATMENT AND PREVENTION OF CARDIOVASCULAR DISEASE
194	\$75,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rosenman, Kenneth	MEDICINE	ENHANCEMENT OF OCCUPATIONAL/ENVIRONMENTAL MEDICINE
195	\$100,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rosenman, Kenneth	MEDICINE	ADULT BLOOD LEAD EPIDEMIOLOGY AND SURVEILLANCE
196	\$33,195	NATIONAL INST OF HEALTH	Burns, Gregory	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	BIOLOGICAL ROLES OF FORKHEAD BOX C1 IN PELVIC ENDOMETRIOSIS
197	\$367,068	COMANCHE BIOPHARMA CORP	Fazleabas, Asgerally	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	S-FLT SIRNA THERAPY FOR PRE-ECLAMPSIA
198	\$558,214	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Fazleabas, Asgerally	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	REGULATION OF ENDOMETRIOTIC LESION DEVELOPMENT BY NOTCH1
199	\$514,696	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Jeong, Jaewook	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MOLECULAR MECHANISMS OF ENDOMETRIAL PROGESTERONE RESISTANCE
200	\$59,119	NATIONAL INST OF HEALTH	Jeong, Jaewook	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	EPIGENETIC REGULATION OF RECEPTIVE ENDOMETRIUM
201	\$160,034	NATIONAL INST OF HEALTH	Latham, Keith	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	REPRODUCTIVE AND DEVELOPMENTAL SCIENCES TRAINING PROGRAM - T32
202	\$39,496	SPECTRUM HEALTH SYSTEM	Meghea, Cristian	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	ALLIANCE FOR INNOVATION ON MATERNAL HEALTH COMMUNITY CARE INITIATIVE (AIM CCI)
203	\$628,337	NATIONAL INST OF HEALTH	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	INFERTILITY HISTORY AND CHRONIC DISEASE PROFILE
204	\$934,088	NATIONAL INST OF HEALTH	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	WHAT IS ENDOMETRIOSIS? DEEP PHENOTYPING TO ADVANCE DIAGNOSIS AND TREATMENT

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205	\$24,128	UNIVERSITY OF MICHIGAN	Poland, Cara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	PILOT FOR TREATMENT OF POST-PARTUM WOMEN
206	\$31,667	SPECTRUM HEALTH SYSTEM	Roman, Leeanne	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	HEALTHY START INITIATIVE: ELIMINATING DISPARITIES IN PERINATAL HEALTH
207	\$431,991	NATIONAL INST OF HEALTH	Teixeira, Jose	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	PATIENT-SPECIFIC TARGETING OF UTERINE FIBROIDS
208	\$55,000	LALOR FOUNDATION	Tran, Dinh Nam	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	ROLE OF GRB2 IN IMPLANTATION AND DECIDUALIZATION
209	\$8,333	HENRY FORD HEALTH SYSTEM MICHIGAN STATE UNIVERSITY HEALTH SCIENCES	Chen, Bin	PEDIATRICS AND HUMAN DEVELOPMENT	DEVELOPMENT OF NOVEL SMALL MOLECULE INHIBITORS OF TRIBBLIS 2 USING ARTIFICIAL INTELLIGENCE
210	\$99,999	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Jobe, Shawn	PEDIATRICS AND HUMAN DEVELOPMENT	MDHHS SCCEE-2022
211	\$8,000	HEMOPHILIA ALLIANCE	Jobe, Shawn	PEDIATRICS AND HUMAN DEVELOPMENT	HEMOPHILIA ALLIANCE FOUNDATION
212	\$379,863	NATIONAL INST OF HEALTH	Bernard, Jamie	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	MECHANISTIC ROLE OF OBESITY IN BENZO(A)PYRENE-INITIATED CANCER
213	\$400,000	NATIONAL SCIENCE FOUNDATION	Qian, Chunqi	RADIOLOGY HUMAN MEDICINE	CAREER: DEVELOPING A COMPACT WIRELESS MULTI-MODAL DETECTOR ARRAY FOR REMOTE SENSING AND IMAGING
214	\$50,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	HOME COMMUNITY-BASED SERVICES COMMUNITY OUTREACH DATA
215	\$34,736	NATIONAL INST OF HEALTH	Collier, Kathy	TRANSLATIONAL NEUROSCIENCE	IMPACT OF DYSFUNCTIONAL BDNF ON DOPAMINE TERMINAL REMODELING IN THE PARKINSONIAN STRIATUM
216	\$64,079	UNIVERSITY OF ARIZONA	Collier, Kathy	TRANSLATIONAL NEUROSCIENCE	MECHANISMS OF LOW-DOSE KETAMINE TREATMENT FOR PARKINSON'S DISEASE
217	\$595,677	DIGNITY HEALTH - ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	NEUROFIBRILLARY TANGLE EVEOLUTION IN MILD COGNITIVE IMPAIRMENT
218	\$589,192	NATIONAL INST OF HEALTH	Gordon, Marcia	TRANSLATIONAL NEUROSCIENCE	GEROSCIENCE APPROACHES TO MITIGATE TAUOPATHY IN AGED MOUSE BRAIN

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219	\$60,331	COLUMBIA UNIV	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	THE ROLE OF SUMOYLATION IN TAU-MEDIATED PATHOLOGY
220	\$52,702	NATIONAL INST OF HEALTH	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	TAU-MEDIATED REGULATION AND DYSREGULATION OF PROTEIN PHOSPHATASE 1
221	\$419,527	TAKEDA PHARMACEUTICAL CO LTD	Sortwell, Caryl	TRANSLATIONAL NEUROSCIENCE	SYNUCLEINOPATHY TRIGGERED NLRP3 INFLAMMASOME
222	\$54,340	SPECTRUM HEALTH - MSU ALLIANCE CORP	Sortwell, Caryl	TRANSLATIONAL NEUROSCIENCE	IMPACT OF BDNF VARIANTS ON DEEP BRAIN STIMULATION OUTCOMES
<b>JAMES MADISON COLLEGE</b>					
223	\$116,208	ARIZONA STATE UNIV	Thies, Cameron	JAMES MADISON COLLEGE DEAN	GROWING CHINESE ECONOMIC POWER AND THE EXACERBATING EFFECTS OF U.S. ECONOMIC INTERDEPENDENCE
<b>COLLEGE OF MUSIC</b>					
224	\$265,900	ANONYMOUS	Demott, Jaime	COMMUNITY MUSIC SCHOOL	RICSTARS DOCUMENTARY
<b>COLLEGE OF NATURAL SCIENCE</b>					
225	\$307,308	NATIONAL INST OF HEALTH	Dickson, Alexander	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	REVEALING PATHWAYS AND KINETICS OF MOLECULAR RECOGNITION WITH ADVANCED MOLECULAR SIMULATION ALGORITHMS
226	\$11,050	NATIONAL SCIENCE FOUNDATION	Ducat, Daniel	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	14TH WORKSHOP ON CYANOBACTERIA: PROMOTING COLLABORATIVE SCIENCE AND EARLY CAREER SCIENTISTS IN THE FIELD OF CYANOBACTERIAL PHYSIOLOGY AND APPLICATIONS
227	\$333,610	NATIONAL INST OF HEALTH	He, Jin	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	EPIGENETIC MECHANISMS OF ASH1L IN TRANSCRIPTIONAL ACTIVATION
228	\$278,422	NATIONAL INST OF HEALTH	Hu, Jian	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	TRANSPORT, SUBSTRATE SPECIFICITY AND REGULATION MECHANISMS OF THE ZIP TRANSITION METAL TRANSPORTERS
229	\$404,071	NATIONAL INST OF HEALTH	Lunt, Sophia	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	EXAMINING PHGDH-MEDIATED ACTIVATION OF SIALIC ACID METABOLISM TO DRIVE TRIPLE-NEGATIVE BREAST CANCER METASTASIS
230	\$347,148	NATIONAL INST OF HEALTH	Parent, Kristin	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	BACTERIOPHAGE INTERACTIONS WITH ENTERIC PATHOGENS

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231	\$382,010	NATIONAL INST OF HEALTH	Ralston, Amy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	MOLECULAR MECHANISMS REGULATING FORMATION OF DIVERSE STEM CELL PROGENITORS
232	\$108,530	NATIONAL SCIENCE FOUNDATION	TerAvest, Michaela	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	CAREER: A NOVEL MICROBIAL ELECTROSYNTHESIS PLATFORM BUILT ON A MODEL ELECTRON TRANSFER PATHWAY
233	\$40,318	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	Zacharewski, Timothy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	AHR-DEPENDENT PKM2 REGULATION IN NAFLD PROGRESSION
234	\$341,659	NATIONAL INST OF HEALTH	Zacharewski, Timothy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	AHR-DEPENDENT PKM2 REGULATION IN NAFLD PROGRESSION
235	\$410,390	NATIONAL SCIENCE FOUNDATION	Borhan, Babak	CHEMISTRY	MECHANISTIC STUDIES OF HALEINIUM-ALKENE ADDITIONS FOR CHEMICAL CATALYSIS
236	\$309,749	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Hong, Heedeok	CHEMISTRY	FOLDING AND DEGRADATION OF MEMBRANE PROTEINS
237	\$30,779	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	ENABLING SYNTHESIS AND BIOLOGICAL STUDIES OF HOMOGENEOUS HEPARAN SULFATE AND CHONDROITIN SULFATE GLYCO-POLYPEPTIDES AND PROTEOGLYCANS
238	\$36,523	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	ENGINEERING BACTERIOPHAGE Q CONJUGATES WITH TUMOR ASSOCIATED CARBOHYDRATE ANTIGENS AS MULTI-COMPONENT ANTI-CANCER VACCINES
239	\$130,885	NATIONAL SCIENCE FOUNDATION	Hunt, Katharine	CHEMISTRY	NONADIABATIC TRANSITION PROBABILITIES: APPLICATIONS IN SPECTROSCOPY, QUANTUM THERMODYNAMICS, AND QUANTUM COMPUTING
240	\$171,018	NATIONAL SCIENCE FOUNDATION	McCusker, James	CHEMISTRY	SPIN EFFECTS ON THE EXCITED-STATE DYNAMICS OF TRANSITION METAL COMPLEXES
241	\$29,647	NATIONAL INST OF HEALTH	Sun, Liangliang	CHEMISTRY	QUANTITATIVE TOP-DOWN PROTEOMICS OF HUMAN COLORECTAL CANCER CELLS AND TUMORS
242	\$398,909	NATIONAL INST OF HEALTH	Tepe, Jetze	CHEMISTRY	OVERCOMING PROTEASOME IMPAIRMENT WITH SMALL MOLECULES
243	\$53,583	NATIONAL INST OF HEALTH	Tepe, Jetze	CHEMISTRY	SMALL MOLECULE INDUCED PROTEOLYTIC DESTRUCTION OF INTRINSICALLY DISORDERED PROTEINS (DEI SUPPLEMENT)
244	\$381,780	OHIO STATE UNIV	Wilson, Angela	CHEMISTRY	NSF CONVERGENCE ACCELERATOR - TRACK C: QUSTEAM: CONVERGENT UNDERGRADUATE EDUCATION IN QUANTUM SCIENCE, TECHNOLOGY, ENGINEERING, ARTS, AND MATHEMATICS
245	\$222,426	NATIONAL INST OF HEALTH	Krishnan, Arjun	COMPUTATIONAL MATH SCI AND ENGR CNS	MECHANISM-GUIDED DRUG REPURPOSING FOR HOST-DIRECTED THERAPY OF INFECTIOUS DISEASES USING INTERPRETABLE AND INTEGRATIVE ML



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246	\$199,999	FORD MOTOR CO	Lei, Huan	COMPUTATIONAL MATH SCI AND ENGR CNS	001259-MSU
247	\$41,932	SPACE TELESCOPE SCIENCE INST	OShea, Brian	COMPUTATIONAL MATH SCI AND ENGR CNS	GAS AND GALAXIES THROUGH COSMIC TIME WITH ENZO-E
248	\$12,848	SPACE TELESCOPE SCIENCE INST	OShea, Brian	COMPUTATIONAL MATH SCI AND ENGR CNS	CONNECTING THE SMOKE TO THE FIRE: MAPPING ANDROMEDA'S INNER CIRCUMGALACTIC MEDIUM
249	\$399,865	NATIONAL SCIENCE FOUNDATION	OShea, Brian	COMPUTATIONAL MATH SCI AND ENGR CNS	CC* COMPUTE: THE MSU DATA MACHINE - A HIGH-MEMORY, GPU-ENABLED COMPUTE CLUSTER FOR DATA-INTENSIVE AND AI APPLICATIONS
250	\$63,423	NATIONAL SCIENCE FOUNDATION	Yang, Yang	COMPUTATIONAL MATH SCI AND ENGR CNS	ACOUSTIC INVERSE PROBLEMS WITH SINGLE AND MULTIPLE MEASUREMENTS
251	\$28,801	MICHIGAN SOYBEAN COMMITTEE	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	DEVELOPMENT OF AN EARLY-DISEASE DETECTION SENSITIVITY INDEX IN SOYBEAN USING A GEOSPATIAL SYSTEMS APPROACH
252	\$174,352	NATIONAL SCIENCE FOUNDATION	Elliott, Julie	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: THE 2020-2021 ALASKA-ALEUTIAN EARTHQUAKE SEQUENCE: CASCADING EVENTS & STRESS LOADING OF THE SHALLOW MEGATHRUST
253	\$17,833	NATIONAL SCIENCE FOUNDATION	Hardisty, Dalton	EARTH AND ENVIRONMENTAL SCIENCES	NSF SUPPLEMENT TO AWARD 1923218 :COLLABORATIVE RESEARCH: MANGANESE CYCLING AND COUPLING ACROSS REDOX BOUNDARIES WITHIN STRATIFIED BASINS OF THE BALTIC SEA
254	\$43,943	NATIONAL SCIENCE FOUNDATION	Zarnetske, Jay	EARTH AND ENVIRONMENTAL SCIENCES	CAREER: TOWARDS FORECASTING WATERSHED ORGANIC CARBON FLUXES ACROSS FLOW REGIMES AND ECOREGIONS
255	\$166,173	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Cognato, Anthony	ENTOMOLOGY NATURAL SCIENCE	REVISION OF EUWALLACEA SPECIES LIMITS FOR IMPROVED DIAGNOSTICS OF POTENTIAL INVASIVE SPECIES
256	\$376,311	NATIONAL INST OF HEALTH	Bradburd, Gideon	INTEGRATIVE BIOLOGY	INCORPORATING GEOGRAPHY INTO STATISTICAL METHODS FOR ANALYSIS OF POPULATION GENOMIC DNA
257	\$248,709	US FISH & WILDLIFE SERVICE	Fitzpatrick, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	DETERMINING THE GENOMIC AND DEMOGRAPHIC CONSEQUENCES OF FLORIDA SCRUB-JAY TRANSLOCATIONS INTO INBRED POPULATIONS ON THE ATLANTIC COAST
258	\$154,774	US ARMY CORPS OF ENGINEERS	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	MONITOR & HABITAT RESTORATION FOR ENDANGERED SAINT FRANCIS' SATYR BUTTERFLY, FORT BRAGG, NORTH CAROLINA

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259	\$50,000	HARRY & MARGARET TOWSLEY FOUNDATION	Janzen, Fredric	KELLOGG BIOLOGICAL STATION NAT SCI	MSU'S KELLOGG BIRD SANCTUARY RENOVATION CAPITAL CAMPAIGN
260	\$425,872	AGRICULTURAL RESEARCH SERVICE	Robertson, GPhilip	KELLOGG BIOLOGICAL STATION NAT SCI	COLLABORATIVE LONG-TERM AGRICULTURAL RESEARCH (LTAR): ECOSYSTEM SERVICES FROM ROW-CROP AGRICULTURE
261	\$10,000	LAWRENCE LIVERMORE NATIONAL LABORATORY	Robertson, GPhilip	KELLOGG BIOLOGICAL STATION NAT SCI	NATIONAL GETTING TO NEUTRAL CARBON: BIOENERGY PRODUCTION AND SOIL CARBON
262	\$78,879	NATIONAL SCIENCE FOUNDATION	Shah, Alisha	KELLOGG BIOLOGICAL STATION NAT SCI	COLLABORATIVE RESEARCH: RAPID: TESTING THE MECHANISMS AND CONSEQUENCES OF AN ADAPTIVE RESPONSE TO A CATASTROPHIC FIRE AND HEATWAVE IN STREAM FROGS
263	\$120,025	NATIONAL SCIENCE FOUNDATION	Levin, Aaron	MATHEMATICS	GREATEST COMMON DIVISORS, INTEGRAL POINTS, AND DIOPHANTINE APPROXIMATION
264	\$241,311	NATIONAL SCIENCE FOUNDATION	Rapinchuk, Igor	MATHEMATICS	ARITHMETIC PROBLEMS IN THE THEORY OF LINEAR ALGEBRAIC GROUPS
265	\$451,130	NATIONAL SCIENCE FOUNDATION	Schenker, Jeffrey	MATHEMATICS	ERGODIC QUANTUM PROCESSES: LOCALIZATION, DIFFUSION AND STEADY STATES
266	\$298,267	NATIONAL SCIENCE FOUNDATION	Volberg, Alexander	MATHEMATICS	COLLABORATIVE RESEARCH: NON-HOMOGENEOUS HARMONIC ANALYSIS, SPECTRAL THEORY, AND WEIGHTED NORM ESTIMATES
267	\$48,599	NATIONAL INST OF HEALTH	Crosson, Sean	MICROBIOLOGY MOLECULAR GENETICS CNS	MOLECULAR MECHANISMS CONTROLLING STRESS RESPONSES AND CELL ADHESION IN BACTERIA
268	\$423,879	NATIONAL INST OF HEALTH	Crosson, Sean	MICROBIOLOGY MOLECULAR GENETICS CNS	MOLECULAR MECHANISMS CONTROLLING STRESS RESPONSES AND CELL ADHESION IN BACTERIA
269	\$5,050	VARIOUS INDUSTRIES	Hammer, Neal	MICROBIOLOGY MOLECULAR GENETICS CNS	N. HAMMER STAPHYLOCOCCUS AUREUS TESTING
270	\$335,223	NATIONAL INST OF HEALTH	Hausinger, Robert	MICROBIOLOGY MOLECULAR GENETICS CNS	NICKEL-PINCER NUCLEOTIDE ENZYMES
271	\$641,281	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

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272	\$134,559	UNIVERSITY OF WASHINGTON	Schutte, Brian	MICROBIOLOGY MOLECULAR GENETICS CNS	DISSECTING THE TRANSCRIPTIONAL NETWORK GOVERNING DIFFERENTIATION OF PERIDERM
273	\$383,636	NATIONAL INST OF HEALTH	Atchison, William	NEUROSCIENCE PROGRAM	BRIDGE TO THE PHD IN NEUROSCIENCE
274	\$47,641	NATIONAL INST OF HEALTH	Galligan, James	NEUROSCIENCE PROGRAM	ENTERIC NEURONAL AGGREGATION OF A-SYNUCLEIN CAUSES DISRUPTION IN COLONIC NEUROTRANSMISSION AND RESULTS IN COLONIC DYSMOTILITY
275	\$33,900	NATIONAL RADIO ASTRONOMY OBSERVATORY	Chomiuk, Laura	PHYSICS ASTRONOMY	NRAO STUDENT OBSERVING SUPPORT AWARD TO HAILEY MOORE
276	\$65,453	NATIONAL SCIENCE FOUNDATION	Chomiuk, Laura	PHYSICS ASTRONOMY	CONSTRAINING TYPE IA SUPERNOVA PROGENITORS VIA THEIR ENVIRONMENTS
277	\$40,000	UNIVERSITY OF PITTSBURGH	Cocker, Tyler	PHYSICS ASTRONOMY	TOPOLOGICAL SPIN QUBITS BASED ON GRAPHENE NANORIBBONS
278	\$159,228	OFFICE OF NAVAL RESEARCH	Cocker, Tyler	PHYSICS ASTRONOMY	RESOLVING FEW-FEMTOSECOND ELECTRON DYNAMICS IN GRAPHENE NANORIBBONS WITH MULTI-TERAHERTZ SCANNING TUNNELING MICROSCOPY
279	\$11,281	SPACE TELESCOPE SCIENCE INST	Donahue, Megan	PHYSICS ASTRONOMY	TESTING THE LIMITS OF AGN FEEDBACK IN STARBURST AND QSO CENTRAL CLUSTER GALAXIES
280	\$223,476	STONY BROOK UNIVERSITY	Fisher, Wade	PHYSICS ASTRONOMY	U.S. ATLAS OPERATIONS: DISCOVERY AND MEASUREMENT AT THE ENERGY FRONTIER
281	\$51,833	COLUMBIA UNIV	Hayden, Daniel	PHYSICS ASTRONOMY	MREFC: US ATLAS HL-LHC UPGRADE PROJECT
282	\$48,338	SPACE TELESCOPE SCIENCE INST	Kerzendorf, Wolfgang	PHYSICS ASTRONOMY	SOLVING THE TYPE IA SUPERNOVA PROGENITOR MYSTERY WITH LATE-TIME LIGHT CURVE MODELING OF HST
283	\$60,000	UNIVERSITY OF WISCONSIN MILWAUKEE	Kopper, Claudio	PHYSICS ASTRONOMY	A FRAMEWORK FOR DATA INTENSIVE DISCOVERY IN MULTIMESSENGER ASTROPHYSICS
284	\$150,000	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Maghrebi, Mohammad	PHYSICS ASTRONOMY	DRIVEN-DISSIPATIVE ARCHITECTURES: NEW ROUTES TO QUANTUM PHASES AND TECHNOLOGIES
285	\$50,000	NATIONAL SCIENCE FOUNDATION	Pollanen, Johannes	PHYSICS ASTRONOMY	RESONANT MANY-ELECTRON DYNAMICS ON HELIUM
286	\$50,000	EEROQ INC	Pollanen, Johannes	PHYSICS ASTRONOMY	PHASE 3: ON-CHIP CHARGE SENSOR FOR SINGLE ELECTRON DETECTION
287	\$268,536	NATIONAL SCIENCE FOUNDATION	Sawtelle, Vashti	PHYSICS ASTRONOMY	COLLABORATIVE RESEARCH: PRACTICES AND RESEARCH ON STUDENT PATHWAYS IN EDUCATION FROM COMMUNITY COLLEGE AND TRANSFER STUDENTS IN STEM (PROSPECT S-STEM)

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288	\$30,620	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	Strader, Jay	PHYSICS ASTRONOMY	THE LEAST MASSIVE CENTRAL BLACK HOLE
289	\$31,008	NATIONAL INST OF HEALTH	Bazil, Jason	PHYSIOLOGY NATURAL SCIENCE	MECHANISMS OF MITOCHONDRIAL ULTRASTRUCTURAL CHANGES AND METABOLIC DYSFUNCTION CAUSED BY CALCIUM OVERLOAD
290	\$384,209	NATIONAL INST OF HEALTH	Crandall, Shane	PHYSIOLOGY NATURAL SCIENCE	DYNAMIC PROPERTIES OF NEURAL CIRCUITS IN THE FOREBRAIN
291	\$40,377	NATIONAL INST OF HEALTH	Gulbransen, Brian	PHYSIOLOGY NATURAL SCIENCE	ENTERIC GLIA AND VISCERAL PAIN
292	\$416,995	NATIONAL INST OF HEALTH	Laumet, Geoffroy	PHYSIOLOGY NATURAL SCIENCE	NEUROIMMUNE INTERACTIONS REGULATING THE BALANCE BETWEEN REMISSION AND RELAPSE OF PAIN
293	\$40,971	NATIONAL INST OF HEALTH	Leininger, Gina	PHYSIOLOGY NATURAL SCIENCE	ROLE OF LATERAL HYPOTHALAMIC NEUROTENSIN NEURONS IN ENERGY BALANCE
294	\$165,860	UNIVERSITY OF TEXAS MEDICAL BRANCH	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	SMALL MOLECULE MODULATORS OF ΔFOSB FUNCTION
295	\$44,812	NATIONAL INST OF HEALTH	Wang, Hongbing	PHYSIOLOGY NATURAL SCIENCE	NONCONVENTIONAL ROLE OF ADCY IN GQ-MEDIATED NEURONAL SIGNALING AND NEUROPLASTICITY
296	\$82,445	NATIONAL SCIENCE FOUNDATION	Brudvig, Lars	PLANT BIOLOGY CNS	CAREER: RESOLVING DRIVERS OF VARIATION IN GRASSLAND COMMUNITY ASSEMBLY AND RESTORATION
297	\$49,999	NATIONAL SCIENCE FOUNDATION	Ebert-May, Diane	PLANT BIOLOGY CNS	COLLABORATIVE RESEARCH: INVESTIGATING CONTEXTUAL FACTORS THAT IMPACT EARLY-CAREER FACULTY TEACHING PRACTICE
298	\$383,469	NATIONAL INST OF HEALTH	Josephs, Emily	PLANT BIOLOGY CNS	DETERMINING THE EVOLUTIONARY FORCES SHAPING GENOTYPE-BY-ENVIRONMENT INTERACTIONS
299	\$391,250	NATIONAL INST OF HEALTH	Brandizzi, Federica	PLANT RESEARCH LABORATORY NAT SCIENCE	UNFOLDED PROTEIN RESPONSE IN THE MODEL SPECIES ARABIDOPSIS THALIANA
300	\$310,681	NATIONAL SCIENCE FOUNDATION	Ducat, Daniel	PLANT RESEARCH LABORATORY NAT SCIENCE	CAREER: ILLUMINATING EMERGENT MICROBIAL INTERACTIONS VIA MODULAR SYNTHETIC CONSORTIA
301	\$900,052	NATIONAL SCIENCE FOUNDATION	Hu, Jianping	PLANT RESEARCH LABORATORY NAT SCIENCE	COLLABORATIVE RESEARCH: MOLECULAR MECHANISMS GOVERNING THE CYTOSKELETON-MEDIATED MOTILITY AND DISTRIBUTION OF PEROXISOMES AND MITOCHONDRIA IN PLANTS
302	\$8,138	NATIONAL SCIENCE FOUNDATION	Xiao, Yimin	STATISTICS PROBABILITY	ANALYSIS AND GEOMETRY OF RANDOM FIELDS RELATED TO STOCHASTIC PARTIAL DIFFERENTIAL EQUATIONS AND RANDOM MATRICES
<b>COLLEGE OF NURSING</b>					

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303	\$498,397	HEALTH RESOURCES & SERVICES ADMINISTRATION	Dontje, Katherine	NURSING	INCREASING ACCESS, RECRUITMENT AND RETENTION OF SEXUAL ASSAULT EXAMINERS
304	\$24,979	HEALTH RESOURCES & SERVICES ADMINISTRATION	Lourens, Gayle	NURSING	NURSE ANESTHETIST TRAINEESHIP
<b>COLLEGE OF OSTEOPATHIC MEDICINE</b>					
305	\$249,914	MICHIGAN DEPT OF ENERGY LABOR & ECONOMIC GROWTH	Luz, Clare	FAMILY AND COMMUNITY MEDICINE	INDUSTRY COLLABORATIVE TO EXPAND DIRECT CARE ACROSS MICHIGAN (ICEDCAM)
306	\$7,600	AEON BIOPHARMA, INC.	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	AN OPEN-LABEL, MULTICENTER STUDY TO EVALUATE THE SAFETY AND EFFICACY OF REPEAT INTRAMUSCULAR ABP-450 (PRABOTULINUMTOXINA) INJECTION FOR THE TREATMENT OF CERVICAL DYSTONIA
307	\$18,836	VIRIDIAN INC	Kaufman, David	NEUROLOGY AND OPHTHALMOLOGY COM	A MULTIPLE ASCENDING DOSE (MAD) SAFETY, TOLERABILITY & EFFICACY STUDY OF VRDN-001, A HUMANIZED MONOCLONAL ANTIBODY DIRECTED AGAINST THE IGF-1 RECEPTOR, IN SUBJECTS WITH THYROID EYE DISEASE (TED)
308	\$12,800	ELI LILLY & CO	Khalil, Suad	NEUROLOGY AND OPHTHALMOLOGY COM	PROTOCOL H8H-MC-LAHW A PHASE 3, 12-MONTH, OPEN-LABEL STUDY OF LASMIDITAN IN PEDIATRIC PATIENTS WITH MIGRAINE - PIONEER-PEDS2
309	\$13,733	RA PHARMACEUTICALS INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY TO CONFIRM THE SAFETY, TOLERABILITY, AND EFFICACY OF ZILUCOPLAN IN SUBJECTS WITH GENERALIZED MYASTHENIA GRAVIS
310	\$38,268	EISAI INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	EISAI BAN2401-G000-201 OPEN LABEL EXTENSION
311	\$7,080	ARGENX BVBA	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	OPEN-LABEL EXTENSION OF THE ARGX-113-1802 TRIAL TO INVESTIGATE THE LONG-TERM SAFETY, TOLERABILITY, AND EFFICACY OF EFGARTIGIMOD PH20 SC IN PATIENTS WITH CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY
312	\$26,100	UNIVERSITY OF GLASGOW	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	UTILIZING GAMETOCYTE IMMUNITY TO REDUCE MALARIA TRANSMISSION
313	\$1,123,923	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	THE INTRANSIGENCE OF MALARIA IN MALAWI: UNDERSTANDING HIDDEN RESERVOIRS, SUCCESSFUL VECTORS AND PREVENTION FAILURES
314	\$18,932	VISIONQUEST BIOMEDICAL LLC	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	MALARIAL RETINOPATHY SCREENING SYSTEM FOR IMPROVED DIAGNOSIS OF CEREBRAL MALARIA

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315	\$234,750	NATIONAL INST OF HEALTH	Dorrance, Anne	PHARMACOLOGY TOXICOLOGY	VASCULAR COGNITIVE IMPAIRMENT IN HYPERTENSION; IDENTIFICATION OF AN AGE APPROPRIATE MODEL.
316	\$50,000	REATA PHARMACEUTICALS	Liby, Karen	PHARMACOLOGY TOXICOLOGY	UNRESTRICTED GRANT TO SUPPORT KAREN LIBY'S RESEARCH AT MSU ADDITIONAL FUNDING
317	\$400,130	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	INTEGRATIVE PHARMACOLOGICAL SCIENCES TRAINING PROGRAM (IPSTP)
318	\$61,418	CHILDS CURE GENETIC RESEARCH	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	G203R SPLICE MUTANT MOUSE GENE THERAPY BEHAVIORAL STUDY
319	\$62,952	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	CULTURE-SPECIFIC NEURODEVELOPMENTAL ASSESSMENT OF HIV-AFFECTED CHILDREN
320	\$9,547	UNIVERSITY OF CHICAGO	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	IMPACT OF HOUSEHOLD AIR POLLUTION (HAP) IN-UTERO THROUGH EARLY CHILDHOOD ON CHILD NEUROCOGNITIVE DEVELOPMENT FROM INFANCY TO 8 YEARS (HAPCOG STUDY)
321	\$32,280	MOREHOUSE SCHOOL OF MEDICINE	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	PROTECTIVE ROLE OF NEUREGULIN-1 AGAINST CEREBRAL MALARIA_INDUCED NEURONAL INJURY AND BEHAVIORAL SEQUELAE
322	\$27,907	COLUMBIA UNIV	Familiar-Lopez, Itziar	PSYCHIATRY OSTEOPATHIC MEDICINE	BUILDING RESOURCES TO ASSESS IMPAIRED NEUROCOGNITION IN CHILDREN WITH HIV IN LOW- AND MIDDLE-INCOME COUNTRIES (BRAIN CHILD IN LMICS)
<b>COLLEGE OF SOCIAL SCIENCE</b>					
323	\$62,434	CLEMSON UNIV	Rojek, Jeffrey	CNTR ANTI COUNTERFEIT AND PROD PROTECT	AN EVALUATION OF DE-ESCALATION TRAINING TO UNDERSTAND THE LINKS BETWEEN TRAINING AND OUTCOMES
324	\$22,546	NATIONWIDE CHILDRENS HOSPITAL	Cavanagh, Caitlin	CRIMINAL JUSTICE	SCREENING AND SERVICES FOR TRAFFICKED AND EXPLOITED YOUTH
325	\$55,740	UNIVERSITY OF ALABAMA AT BIRMINGHAM	Maxwell, Christopher	CRIMINAL JUSTICE	MEDICATION ADMINISTRATION AND CHEMICAL RESTRAINTS IN FAMILY CAREGIVING FOR ALZHEIMER'S DISEASE AND RELATED DEMENTIA
326	\$100,000	CITY OF DETROIT	McGarrell, Edmund	CRIMINAL JUSTICE	DETROIT COMMUNITY BASED VIOLENCE PREVENTION (CBCR)
327	\$224,878	UNIVERSITY OF MICHIGAN	Zwickle, Adam	CRIMINAL JUSTICE	A PARTICIPATORY MODELING APPROACH TO COLLABORATIVE WATER GOVERNANCE IN MICHIGAN
328	\$48,376	UNIVERSITY OF CHICAGO	Barnwal, Prabhat	ECONOMICS	DESIGNING SUBSIDIES TO REACH THE POOR: A RANDOMIZED EVALUATION OF COOKING GAS SUBSIDY REFORM TO ACCOMMODATE LIQUIDITY CONSTRAINTS

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329	\$28,613	UNIVERSITY OF MICHIGAN	Zwickle, Adam	ENVIRONMENTAL SCIENCE AND POLICY PROGRAM	A PARTICIPATORY MODELING APPROACH TO COLLABORATIVE WATER GOVERNANCE IN MICHIGAN
330	\$40,385	DESERT RESEARCH INST	Schaetzl, Randall	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	SUPPORT FOR GRADUATE STUDENT
331	\$269,475	US GEOLOGICAL SURVEY	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	PATHFINDING NEAR REAL TIME MODERATE RESOLUTION LAND SURFACE MONITORING, LOOKING FORWARD TO AN OPERATIONAL LANDSAT 9/10 SENTINEL 2A/2B ERA
332	\$110,102	NATIONAL INST ON DRUG ABUSE	Brincks, Ahnalee	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	DEVELOPING METHODS TO ESTIMATE MEDIATION EFFECTS IN ADAPTIVE INTERVENTIONS
333	\$414,873	NATIONAL INST OF HEALTH	Wang, Yijie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	DISCRIMINATION AND ADOLESCENT SUBSTANCE USE: UNDERSTANDING MODERATING MECHANISMS OF SLEEP AND NEIGHBORHOOD ENVIRONMENT IN THE ABCD STUDY
334	\$211,138	MICHIGAN HEALTH ENDOWMENT FUND	Weinfeld, Arnold	INST FOR PUBLIC POLICY SOCIAL RESEARCH	IMPROVING MICHIGAN HEALTH POLICYMAKING
335	\$30,000	UNIVERSITY OF CALIFORNIA SANTA BARBARA	Rehberger, Dean	MATRIX HUM ARTS LETTERS SOC SCI ONLINE	A1: KNOWWHEREGRAPH: ENRICHING AND LINKING CROSS-DOMAIN KNOWLEDGE GRAPHS USING SPATIALLY-EXPLICIT AI TECHNOLOGIES TO ADDRESS PRESSING CHALLENGES AT THE HUMAN-ENVIRONMENT NEXUS
336	\$545,197	AFROBAROMETER	Logan, Carolyn	POLITICAL SCIENCE	AFROBAROMETER ROUNDS 8 AND 9: ANALYSIS UNIT SUPPORT
337	\$50,000	JACK MILLER CENTER	Sebell, Dustin	POLITICAL SCIENCE	THE LEFRAK FORUM ON SCIENCE, REASON, AND MODERN DEMOCRACY
338	\$111,283	OFFICE OF NAVAL RESEARCH	Altmann, Erik	PSYCHOLOGY SOCIAL SCIENCE	EFFECTS OF SLEEP DEPRIVATION AND INDIVIDUAL DIFFERENCES ON PROCEDURAL PLACEKEEPING
339	\$331,927	AGENCY FOR HEALTHCARE RESEARCH & QUALITY	Becker, Mark	PSYCHOLOGY SOCIAL SCIENCE	OPTIMIZING OTC LABELS FOR OLDER ADULTS: EMPIRICAL EVALUATION OF LABELS DESIGNED TO PROVIDE OLDER USERS THE INFORMATION THEY NEED TO MINIMIZE ADVERSE DRUG EVENTS
340	\$334,753	NEW YORK UNIV	Brascamp, Jan	PSYCHOLOGY SOCIAL SCIENCE	AN ADVERSARIAL COLLABORATION TO TEST PREDICTIONS OF FIRST-ORDER AND HIGHER-ORDER THEORIES OF CONSCIOUSNESS.
341	\$575,787	NATIONAL INST OF HEALTH	Burt, Alex	PSYCHOLOGY SOCIAL SCIENCE	THE METHYLOMIC CONSEQUENCES OF NEIGHBORHOOD DISADVANTAGE FOR YOUTH RISK-TAKING BEHAVIORS.
342	\$38,628	NATIONAL INST OF HEALTH	Carroll, Sarah	PSYCHOLOGY SOCIAL SCIENCE	THE ROLE OF ENVIRONMENTAL DISADVANTAGE IN THE ETIOLOGIC MODERATION OF CHILDREN'S ANTISOCIAL BEHAVIOR

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343	\$663,203	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
344	\$33,288	GLOBAL FOUNDATION FOR EATING DISORDERS	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	OVARIAN HORMONES AND RISK FOR BINGE EATING DURING ADOLESCENCE
345	\$60,691	GLOBAL FOUNDATION FOR EATING DISORDERS	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	MIDLIFE RISK FOR BINGE EATING IN WOMEN: QUANTIFYING RISK AND UNRAVELING THE EFFECTS OF MENOPAUSE AND OVARIAN HORMONES
346	\$65,369	NATIONAL INST OF HEALTH	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	A TWIN STUDY OF ANDROGEN EFFECTS ON BINGE EATING RISK DURING PUBERTY IN MALES
347	\$785,469	NATIONAL INST OF MENTAL HEALTH	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	HORMONAL MECHANISMS OF PERIMENOPAUSAL RISK FOR PSYCHOSIS IN WOMEN
348	\$622,083	NATIONAL INST OF HEALTH	Levendosky, Alytia	PSYCHOLOGY SOCIAL SCIENCE	TIMING OF PRENATAL STRESS AND EARLY MARKERS OF CHILD PSYCHOPATHOLOGY
349	\$7,078	UNIVERSITY OF RENNES 1	Lonstein, Joseph	PSYCHOLOGY SOCIAL SCIENCE	INFLUENCE OF POSTPARTUM DEPRESSION AND PROBIOTIC TREATMENT ON MATERNAL BRAIN SEROTONIN AND CAREGIVING BEHAVIORS.
350	\$12,381	UNIVERSITY OF ILLINOIS CHICAGO	Neal, Jennifer	PSYCHOLOGY SOCIAL SCIENCE	PATIENT NAVIGATORS FOR CHILDREN'S COMMUNITY MENTAL HEALTH SERVICES IN HIGH POVERTY URBAN COMMUNITIES
351	\$46,262	NATIONAL INST OF HEALTH	Thakkar, Katharine	PSYCHOLOGY SOCIAL SCIENCE	VISUAL PERCEPTION AS A WINDOW ONTO PREDICTION ANOMALIES IN SCHIZOPHRENIA
352	\$9,937	UNIVERSITY OF MICHIGAN	Thakkar, Katharine	PSYCHOLOGY SOCIAL SCIENCE	DISSECTING MECHANISMS OF ALTERED EYE GAZE PERCEPTION ACROSS PSYCHIATRIC PATIENTS WITH SOCIAL DEFICITS
353	\$18,000	UNIVERSITY OF CHICAGO	Park, Keunhye	SOCIAL WORK	CALYOUTH
354	\$50,800	WAYNE STATE UNIV	Smith-Darden, Joanne	SOCIAL WORK	CREATING PROTECTIVE ENVIRONMENTS THROUGH SCHOOL POLICY DEVELOPMENT
355	\$267,221	NATIONAL INST OF HEALTH	Liu, Hui	SOCIOLOGY SOCIAL SCIENCE	MARRIAGE, COGNITIVE TRAJECTORIES AND ADRD RISK IN LATE LIFE
356	\$11,893	YORK UNIVERSITY	Ren, Xuefei	SOCIOLOGY SOCIAL SCIENCE	THE CITY AFTER COVID-19: COMPARING VULNERABILITY AND URBAN GOVERNANCE IN CHICAGO, TORONTO, AND JOHANNESBURG.
<b>ASC PROVOST FOR UNDERGRADUATE EDUCATION</b>					
357	\$10,000	EAST LANSING COMMUNITY BLOCK GRANT	Garcia, Luis	MIGRANT STUDENT SERVICES	COMMUNITY DEVELOPMENT BLOCK GRANT FY2021-2022
<b>COLLEGE OF VETERINARY MEDICINE</b>					
358	\$445,564	NATIONAL INST OF HEALTH	Moeser, Adam	LARGE ANIMAL CLINICAL SCIENCES	NEURO-IMMUNE MECHANISMS IN EARLY LIFE STRESS-INDUCED GASTROINTESTINAL DISEASE



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359	\$15,492	WEST VIRGINIA UNIV	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	IMPACT OF PARTICLE AND OZONE INHALATION CO-EXPOSURE ON ALVEOLAR EPITHELIAL REGENERATION
360	\$387,807	BOEHRINGER INGELHEIM INC	Hussey, Gisela	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	EVALUATION OF PROTECTION AGAINST EQUINE HERPESVIRUS MYELOENCEPHALOPATHY (EHM) BY VACCINATION WITH EHV-1 RACH
361	\$41,658	NATIONAL INST OF HEALTH	Luyendyk, James	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	NOVEL DETERMINANTS OF FIBRINOGEN PRO-REPAIR ACTIVITY IN ACETAMINOPHEN-INDUCED LIVER TOXICITY
362	\$396,442	NATIONAL INST OF HEALTH	Petroff, Margaret	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	MATERNAL CENTRAL IMMUNE TOLERANCE IN REPRODUCTION
363	\$9,026	EVERYCAT HEALTH FOUNDATION	Watson, Victoria	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	CHARACTERIZATION AND CAUSATIVE INVESTIGATION OF FELINE EOSINOPHILIC SCLEROSING FIBROPLASIA
364	\$62,266	CALIFORNIA NORTHSTATE UNIVERSITY	Olivier, Nicholas	SMALL ANIMAL CLINICAL SCIENCES	HYPERANDROGENIC PROGRAMMING OF CARDIOVASCULAR DYSFUNCTION
365	\$17,952	IOWA STATE UNIV	Kiupel, Matti	VETERINARY DIAGNOSTIC LABORATORY	HISTOLOGIC AND IMMUNOHISTOCHEMICAL CHARACTERIZATION OF LYMPHOID ORGANS IN A SEVERE COMBINED IMMUNO-DEFICIENT (SCID) PIG MODEL
<b>FACILITY FOR RARE ISOTOPE BEAMS</b>					
366	\$8,000	SCINTILEX LLC	Cortesi, Marco	FACILITY FOR RARE ISOTOPE BEAMS	HIGH PERFORMANCE LUYAG CRYSTAL SCINTILLATING FIBERS FOR NUCLEAR PHYSICS EXPERIMENTS
367	\$15,000,000	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
368	\$1,538,494	STANFORD LINEAR ACCELERATOR CENTER	Xu, Ting	FACILITY FOR RARE ISOTOPE BEAMS	PROPOSAL TO SUPPLY LCLS-II HE SRF GUN
369	\$100,000	US DEPT OF ENERGY	Cook, Kaitlin	NAT'L SUPERCONDUCTING CYCLOTRON LAB	INTERTWINING NUCLEAR STRUCTURE AND REACTIONS WITH EXOTIC NUCLEI
370	\$1,201,000	US DEPT OF ENERGY	Gade, Alexandra	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR STRUCTURE STUDIES AT THE LIMITS OF STABILITY
<b>ASC PROV FOR UNIV OUTREACH ENGAGEMENT</b>					

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371	\$200,000	MICHIGAN DEPT OF EDUCATION	Wu, Jamie	COMMUNITY EVALUATION AND RSCH COLLABRTVE	MICHIGAN CHILDCARE SERVICES MAPPING PROJECT
372	\$24,000	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	Brand, Michael	PERFORMING ARTS FACILITIES AND PROGRAMS	2021-2022 ACT ONE SCHOOL SERIES
<b>INTERNATIONAL STUDIES AND PROGRAMS</b>					
373	\$241,000	FORD FOUNDATION	Monson, Jamie	AFRICAN STUDIES CENTER	MSU CHINESE IN AFRICA/AFRICANS IN CHINA (CA/AC)
374	\$16,890	GOVT OF QUEBEC	Malouin, Rebecca	CANADIAN STUDIES CENTER	FROM MATERIALS SCIENCES TO SUPPLY CHAIN STRENGTHENING: ESTABLISHING INTERUNIVERSITY COOPERATION BETWEEN MICHIGAN STATE UNIVERSITY AND LAVAL UNIVERSITY
375	\$28,135	US DEPT OF STATE	McCracken, Benjamin	INTERNATIONAL STUDIES AND PROGRAMS DEAN	JCMU KANSAI YOUTH AMBASSADOR PROJECT COOPERATIVE AGREEMENT: NEW COHORTS 4/5: 2022-2023
<b>MSU AGBIORESEARCH</b>					
376	\$89,932	CARGILL INC	Bradford, Barry	ANIMAL SCIENCE DEPARTMENT MABR	SCREENING CANDIDATE BIOACTIVE FEEDS FOR GUT HEALTH BENEFITS.
377	\$315,192	NATIONAL INST OF HEALTH	Knott, Jason	ANIMAL SCIENCE DEPARTMENT MABR	MECHANISMS OF TROPHOBLAST LINEAGE FORMATION: IMPACT ON POSTIMPLANTATION PLACENTAL DEVELOPMENT
378	\$76,500	VARIOUS INDUSTRIES	Burns, Erin	PLANT SOIL AND MICROBIAL SCIENCES	BURNS PSM TESTING
379	\$219,418	VARIOUS INDUSTRIES	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	CHILVERS PSM TESTING
380	\$106,879	VARIOUS INDUSTRIES	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	DOUCHES PSM TESTING
381	\$132,476	VARIOUS INDUSTRIES	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	HAUSBECK PSM TESTING
382	\$13,032	VARIOUS INDUSTRIES	Rogers, John	PLANT SOIL AND MICROBIAL SCIENCES	ROGERS PSM TESTING

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	<b>MICHIGAN STATE UNIVERSITY EXTENSION</b>				
383	\$151,780	MICHIGAN FOOD & FARMING SYSTEMS	Heck, Ana	EXTENSION AGRICULTURE AND AGRIBUSINESS	SUPPORTING THE NEXT MISSION: TRAINING VETERANS TO BE THE NEXT GENERATION OF AMERICAN BEEKEEPER
384	\$11,100	MDARD HORTICULTURE FUND	Imler, Christopher	EXTENSION AGRICULTURE AND AGRIBUSINESS	VETERANS HORTICULTURE BOOTCAMP
385	\$17,236	MICHIGAN SOYBEAN COMMITTEE	Staton, Michael	EXTENSION AGRICULTURE AND AGRIBUSINESS	2022 MSU EXTENSION ON-FARM RESEARCH, EDUCATION AND COMMUNICATION PROJECTS
386	\$6,401	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
387	\$33,726	BARRY COUNTY UNITED WAY	Kilpatrick, Glenda	EXTENSION CHILDREN AND YOUTH	BARRY COUNTY MSU EXTENSION 4-H PROGRAM
388	\$1,545,650	BUREAU OF JUSTICE ASSISTANCE	Tobe, Erica	EXTENSION CHILDREN AND YOUTH	BRINGING MENTAL HEALTH FIRST AID TO STOP SCHOOL VIOLENCE
389	\$90,114	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	NATURAL COMMUNITY SURVEYS AND MIFI INVENTORY OF PRD LANDS 2022
390	\$45,731	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MNFI 2022-TITLE 6-AUTOMATED RARE SPECIES REVIEW APPLICATIONS 2022
391	\$14,286	MICHIGAN CROP IMPROVEMENT ASSOC	Dedecker, James	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	INVESTIGATING OAT AND BARLEY VARIETY PERFORMANCE ACROSS MICHIGAN
392	\$9,986	USDA FOREST SERVICE	Higman, Phyllis	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MNFI INVENTORY, MONITORING AND HURON - MANISTEE NATIONAL FORESTS - MOD 2 GINSENG RESTORATION

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393	\$204,580	MICHIGAN DEPT OF NATURAL RESOURCES	Higman, Phyllis	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	FRD-GNA-HMNF BOTANY SURVEYS 2022
394	\$20,000	USDA FOREST SERVICE	Higman, Phyllis	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MNFI INVENTORY, MONITORING AND PUBLIC EDUCATION ON THE HURON - MANISTEE NATIONAL FORESTS
395	\$49,119	MICHIGAN DEPT OF NATURAL RESOURCES	Klatt, Brian	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MDOT ANNUAL ACCESS TO NATURAL HERITAGE DATABASE
396	\$30,001	MICHIGAN DEPT OF NATURAL RESOURCES	Lee, Yu Man	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	DNR-RFD-GNA HMNF EASTERN MASSASAUGA SURVEYS 2022
397	\$74,878	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	Ortquist, Jinnifer	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	HOUSING EDUCATION PROGRAM
398	\$136,250	PURDUE UNIV	Schroeder, Brandon	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	EXTENDING IMPACT OF U.S. EPA'S GREAT LAKES NATIONAL PROGRAM OFFICE USING SEA GRANT OUTREACH CAPACITY
399	\$88,277	MICHIGAN DEPT OF EDUCATION	Ziegler, Garrett	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	DEVELOPING REGIONAL SPECIALTY CROP SUPPLY CHAIN CONNECTIONS AND INNOVATIONS TO SUPPORT 10 CENTS A MEAL GRANTEEES
400	\$22,130	UNIVERSITY OF WISCONSIN MADISON	Fifield, Karen	EXTENSION HEALTH AND NUTRITION	KEMAMACEQTAQ: WE'RE ALL MOVING
401	\$177,382	NATIONAL HONEY BOARD	Mayhew, Emily	FOOD SCIENCE AND HUMAN NUTRITION MSUE	THE POTENTIAL OF HONEY TO REDUCE SUGAR USE AND INCREASE ACCEPTANCE OF A MEDITERRANEAN DIET
402	\$106,051	ANTRIM CONSERVATION DISTRICT	Hackett, Rachel	NATURAL FEATURES INVENTORY MSUE	RESTORING NORTHERN LAKE MICHIGAN'S RESILIENT COASTAL AND RIPARIAN HABITATS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**June 2022**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
403	\$29,558	MICHIGAN DEPT OF NATURAL RESOURCES	Lincoln, Jesse	NATURAL FEATURES INVENTORY MSUE	FRD-GNA-HMNF BARRENS AND PRAIRIE ASSESSMENT 2022
<b>RESEARCH AND INNOVATION</b>					
404	\$132,426	VARIOUS INDUSTRIES	Gage, Douglas	BIOECONOMY INSTITUTE	BI LANSING
405	\$31,633	VARIOUS INDUSTRIES	Gage, Douglas	BIOECONOMY INSTITUTE	BI HOLLAND
406	\$75,000	CORTEVA AGRISCIENCE	Heemstra, Douglas	BIOECONOMY INSTITUTE	PD AND PP WORK FOR CORTEVA
407	\$488,022	NATIONAL INST OF HEALTH	Kaminski, Norbert	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	CANNABINOIDS MODULATE IMMUNE CELL-PROVOKED ASTROCYTE FUNCTIONS TO SUPPRESS HIV-ASSOCIATED NEUROINFLAMMATORY RESPONSES
408	\$1,477,808	VARIOUS INDUSTRIES	Hasemann, Charles	MSU INNOVATION CENTER	FEE FOR SERVICE - INDUSTRY
409	\$30,000	UNIVERSITY OF MICHIGAN	Hasemann, Charles	MSU INNOVATION CENTER	TECHNOLOGY TRANSFER TALENT NETWORK - 8
410	\$50,000	COUNCIL OF GREAT LAKES GOVERNORS DBA GREAT LAKES ST LAWRENCE GOVERNORS & PREMIERS	Aliakbarian, Bahar	OFFICE OF RESEARCH AND INNOVATION	INVESTIGATION OF THE PERFORMANCE IMPACT OF DIGITAL TECHNOLOGY AND LOCK REDUNDANCY ON THE ST. MARYS RIVER
411	\$328,975	MICHIGAN ECONOMIC DEVELOPMENT CORP	Buhler, Douglas	OFFICE OF RESEARCH AND INNOVATION	MICHIGAN STATE UNIVERSITY MTRAC SEPT,2020 AUG,2021
412	\$45,000	AITCH FOUNDATION	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	AITCH FOUNDATION CANCER RESEARCH AWARDS
<b>UNIVERSITY ADVANCEMENT</b>					
413	\$22,285,150	VARIOUS DONORS - ADVANCEMENT	Tobin, Kim	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR THE PERIOD 1/1/22 TO 3/21/22
<b>FINANCE</b>					
414	\$7,711,671	VARIOUS GRANTORS	Pedawi, Evonne	SPONSORED PROGRAMS ADMIN CGA POSTAWARD	FEE FOR SERVICE - OTHER

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**June 2022**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
	<b>MICHIGAN STATE UNIVERSITY COLLEGE OF LAW</b>				
415	\$100,000	US DEPT OF TREASURY	Wease, Joshua	COLLEGE OF LAW DEAN	MICHIGAN STATE UNIVERSITY LOW-INCOME TAXPAYER CLINIC
	<b>VARIOUS</b>				
416	\$185,652	VARIOUS	Various	Various	64 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	<b>\$124,618,344</b>	<b>Total June 2022 Board</b>			

CONSIGNMENT/NON-CASH GIFTS  
BOARD OF TRUSTEES  
June 24, 2022

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	500 silver age DC comics	Jim Lee	Libraries	\$50,000.00	Research in Comic Art
2	Martin Robotics 8 Shooter Serial# 15110441	Frankenmuth Brewery	MSUE – Product Center	\$15,000.00	Bottle filling & washing
3	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$12,235.29	Recruiting trip for MSU Football
4	Examination table	Kenneth Zisholz	Intercollegiate Athletics/ Spartan Fund	\$ 5,788.00	MSU Hockey program
5-40	Various	Various	Various	\$30,186.24	36 Consolidated non-cash gifts for individual values less than \$5,000  Details on file in the Contract & Grant Administration office, Hannah Administration Bldg. 426 Auditorium Road, Room 2, East Lansing, MI 48824
			<b>TOTAL</b>	<b>\$113,209.53</b>	