

MICHIGAN STATE UNIVERSITY

December 5, 2022

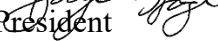
MEMORANDUM

APPROVED

DECEMBER 16, 2022

BOARD OF TRUSTEES
MICHIGAN STATE UNIVERSITY

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 August 12, 2022, through November 14, 2022. The report is a compilation of 749 Gifts, Grants and Contracts plus 49 Consignment/Non-Cash Gifts, with a total value of \$210,792,473.

FY 2022-23 TOTALS:

- a) Gifts, Grants and Contracts only: \$402,316,222
 - b) Gifts, Grants and Contracts plus Consignments: \$402,812,222
- (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.



Office of
**RESEARCH
AND INNOVATION**

Douglas A. Gage, Ph.D.
Vice President

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Current Period / Year to Date

Gift & Grant Awards

Meeting Date: 12/16/2022

Current Period: Aug 12, 2022 - Nov 14, 2022

AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$123,246,837	\$255,101,080	90.6%
State of Michigan	\$2,236,058	\$3,628,198	1.3%
Other	\$5,615,920	\$8,756,261	3.1%
Industry/CO	\$1,727,838	\$4,074,997	1.4%
Foundation	\$4,706,457	\$8,310,636	3.0%
Association	\$999,890	\$1,649,809	0.6%
Research - Total	\$138,532,999	\$281,520,980	100%
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$33,212,970	\$47,349,683	39.2%
State of Michigan	\$1,977,760	\$2,118,827	1.8%
Other	\$8,659,296	\$10,222,632	8.5%
Industry/CO	\$3,373,850	\$3,482,925	2.9%
Foundation	\$2,388,973	\$3,075,255	2.5%
Association	\$271,926	\$496,772	0.4%
Various Donors - Advancement	\$22,186,349	\$54,049,147	44.7%
Non-Research - Total	\$72,071,124	\$120,795,242	100%
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$156,459,807	\$302,450,763	75.2%
State of Michigan	\$4,213,818	\$5,747,025	1.4%
Other	\$14,275,216	\$18,978,893	4.7%
Industry/CO	\$5,101,688	\$7,557,922	1.9%
Foundation	\$7,095,430	\$11,385,891	2.8%
Association	\$1,271,816	\$2,146,581	0.5%
Various Donors - Advancement	\$22,186,349	\$54,049,147	13.4%
TOTAL	\$210,604,124	\$402,316,222	100%

OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	358	664	64.3%
State of Michigan	13	29	2.8%
Other	70	130	12.6%
Industry/CO	67	118	11.4%
Foundation	28	47	4.5%
Association	17	45	4.4%
Research - Total	553	1,033	100%
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	106	171	53.9%
State of Michigan	20	25	7.9%
Other	23	47	14.8%
Industry/CO	31	38	12.0%
Foundation	12	26	8.2%
Association	3	8	2.5%
Various Donors - Advancement	1	2	0.6%
Non-Research - Total	196	317	100%
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	464	834	61.9%
State of Michigan	33	54	4.0%
Other	93	177	13.1%
Industry/CO	98	156	11.6%
Foundation	40	73	5.4%
Association	20	53	3.9%
Various Donors - Advancement	1	2	0.1%
TOTAL	749	1,349	100%

Current Year / Previous Year

Gift & Grant Awards

Meeting Date: 12/16/2022

Current Period: Aug 12, 2022 - Nov 14, 2022

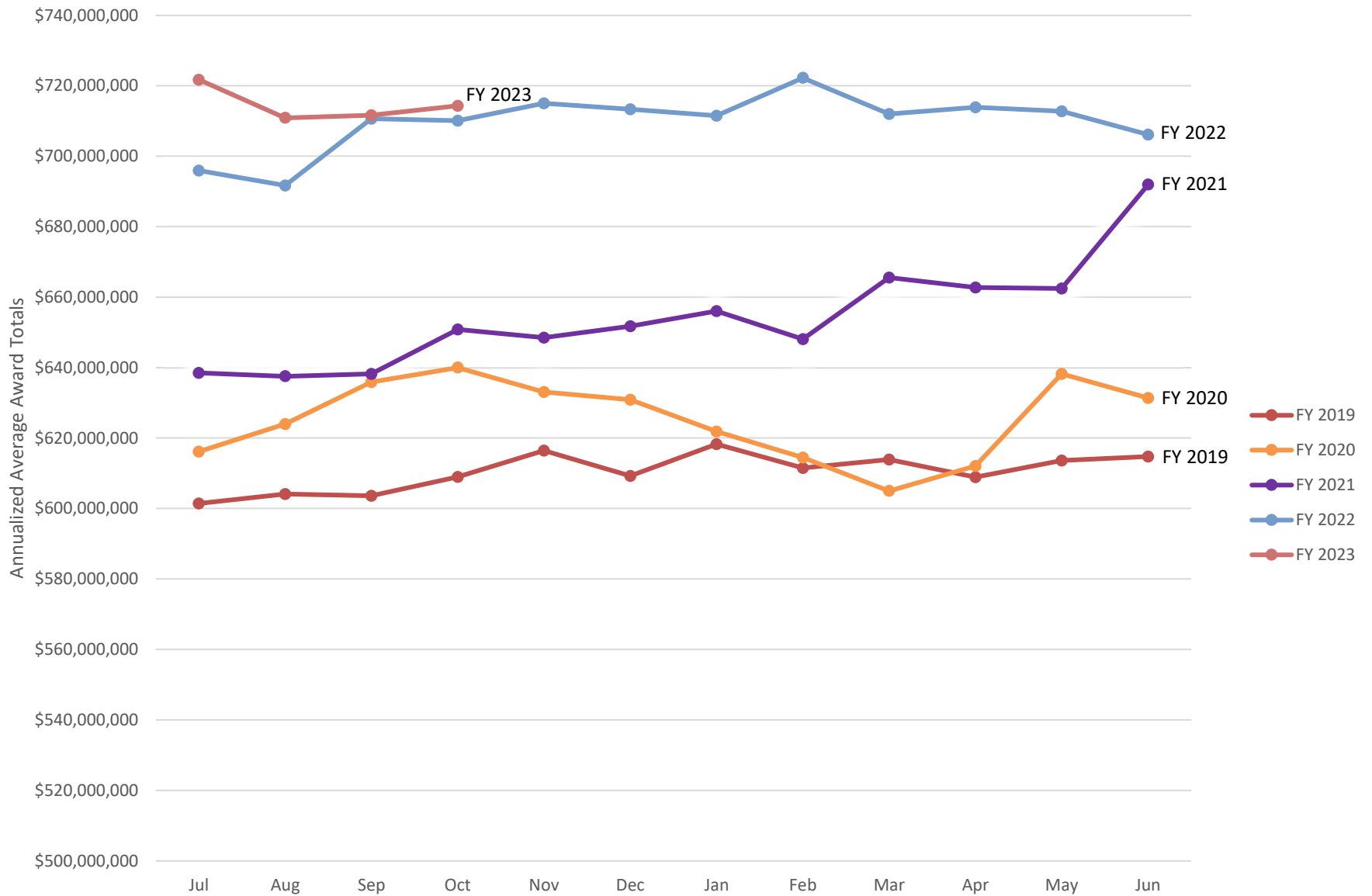
AWARD TOTALS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$221,488,862	\$255,101,080	15.2%
State of Michigan	\$11,743,601	\$3,628,198	-69.1%
Other	\$6,660,500	\$8,756,261	31.5%
Industry/CO	\$4,281,823	\$4,074,997	-4.8%
Foundation	\$8,399,119	\$8,310,636	-1.1%
Association	\$1,237,273	\$1,649,809	33.3%
Research - Total	\$253,811,178	\$281,520,980	10.9%
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$57,991,362	\$47,349,683	-18.3%
State of Michigan	\$3,631,647	\$2,118,827	-41.7%
Other	\$3,282,860	\$10,222,632	211.4%
Industry/CO	\$1,214,207	\$3,482,925	186.8%
Foundation	\$3,427,005	\$3,075,255	-10.3%
Association	\$109,830	\$496,772	352.3%
Various Donors - Advancement	\$58,071,494	\$54,049,147	-6.9%
Non-Research - Total	\$127,728,405	\$120,795,242	-5.4%
Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change
Federal Government	\$279,480,225	\$302,450,763	8.2%
State of Michigan	\$15,375,248	\$5,747,025	-62.6%
Other	\$9,943,361	\$18,978,893	90.9%
Industry/CO	\$5,496,029	\$7,557,922	37.5%
Foundation	\$11,826,124	\$11,385,891	-3.7%
Association	\$1,347,103	\$2,146,581	59.3%
Various Donors - Advancement	\$58,071,494	\$54,049,147	-6.9%
TOTAL	\$381,539,584	\$402,316,222	5.4%

OF AWARDS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	640	664	3.8%
State of Michigan	52	29	-44.2%
Other	104	130	25.0%
Industry/CO	112	118	5.4%
Foundation	44	47	6.8%
Association	68	45	-33.8%
Research - Total	1,020	1,033	1.3%
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	169	171	1.2%
State of Michigan	24	25	4.2%
Other	46	47	2.2%
Industry/CO	24	38	58.3%
Foundation	39	26	-33.3%
Association	5	8	60.0%
Various Donors - Advancement	2	2	0.0%
Non-Research - Total	309	317	2.6%
Total			
Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	809	834	3.1%
State of Michigan	76	54	-28.9%
Other	150	177	18.0%
Industry/CO	136	156	14.7%
Foundation	83	73	-12.0%
Association	73	53	-27.4%
Various Donors - Advancement	2	2	0.0%
TOTAL	1,329	1,349	1.5%

Michigan State University 3 Year Annualized Average Awards



Top 10 Awards for the December 16, 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	\$7,250,375	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
2	Federal Government	\$4,820,400	Christopher Reimann	US Agency for Intl Development	CED INTERNATIONAL STUDIES IN EDUCATION	New	Research	09/30/2022 09/29/2027	Strengthening Science, Technology, Engineering, and Mathematics & Expanding Degree Opportunities (SSTEMEDO)
3	Federal Government	\$4,321,822	Mona Hanna-Attisha	Centers for Disease Control & Prevention	CHM FLINT	New	Public Service	08/01/2022 07/31/2027	Flint Registry (FR) 2022-2027
4	Federal Government	\$4,000,000	Andreas Stolz	Missile Defense Agency	FACILITY FOR RARE ISOTOPE BEAMS	New	Research	08/19/2022 03/21/2028	Single Event Effect Test Facility Upgrade
5	Federal Government	\$3,500,000	Cheryl Eschbach	Centers for Disease Control & Prevention	EXTENSION HEALTH AND NUTRITION	New	Public Service	10/01/2022 09/30/2023	COVID Health Ambassador
6	Federal Government	\$3,482,251	Roberto Lopez	National Inst of Food & Agriculture	HORTICULTURE ANR	New	Research	09/15/2022 09/14/2026	CEA HERB: Controlled Environment Agriculture Herb Extension and Research Base
7	Federal Government	\$3,400,000	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	\$3,246,915	Jennifer Johnson	National Inst of Mental Health	CHM FLINT	New	Research	08/22/2022 07/31/2027	The National Center for Health and Justice Integration for Suicide Prevention
9	Federal Government	\$2,965,563	Daniel Appelo	National Science Foundation	COMPUTATIONAL MATH SCI AND ENGR CNS	New	Research	07/01/2022 06/30/2027	Harnessing the Data Revolution to Enable Predictive Multi-scale Modeling across STEM
10	Federal Government	\$2,901,575	Jean Kerver	National Inst of Health	EPIDEMIOLOGY AND BIOSTATISTICS	Modification	Research	09/21/2016 08/31/2023	Prenatal Exposures and Child Health Outcomes: A Statewide Study
	TOTAL	\$39,888,901							

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
	COLLEGE OF AGRICULTURE AND NAT RESOURCES				
1	\$220,000	INTL FOOD POLICY RESEARCH INST	Liverpool-Tasie, Lenis	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	NIGERIA AGRICULTURE POLICY ACTIVITY
2	\$300,000	ECONOMIC RESEARCH SERVICE	Lupi, Frank	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	MEASURING THE DYNAMICS OF MINIMUM REQUIRED COVER CROP INCENTIVE PAYMENTS
3	\$933,412	US AGENCY FOR INTL DEVELOPMENT	Maredia, Mywish	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	AGRICULTURE AND NUTRITION POLICY ACTIVITY TANZANIA ASSOCIATE AWARD
4	\$44,488	WORLD COFFEE RESEARCH	Maredia, Mywish	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	WHITE PAPER ON PUBLIC VS. PRIVATE INVESTMENT IN COFFEE R&D
5	\$1,350,000	FOUNDATION FOR A SMOKE FREE WORLD	Muyanga, Milu	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	ATI/FSFW FUNDING FOR 2022
6	\$8,119	INTL POTATO CENTER	Nakasone, Eduardo	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	GROUP-BASED ICT EXTENSION SUPPORT SYSTEMS: EVIDENCE FROM RURAL PERU
7	\$3,400,000	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
8	\$94,524	VETAGRO S.P.A.	Bradford, Barry	ANIMAL SCIENCE DEPARTMENT ANR	THE EFFECT OF RUMEN PROTECTED NIACIN SUPPLEMENTATION ON REPRODUCTION, HEALTH, AND MILK PRODUCTION OF LACTATING DAIRY COWS.
9	\$19,575	VARIOUS INDUSTRIES	Bradford, Barry	ANIMAL SCIENCE DEPARTMENT ANR	DR. BARRY BRADFORD TESTING
10	\$324,855	NATIONAL INST OF HEALTH	Huang, Wen	ANIMAL SCIENCE DEPARTMENT ANR	GENETIC VARIATION AND EVOLUTION OF TRANSLATIONAL CONTROL IN DROSOPHILA
11	\$20,673	DAIRY AUSTRALIA LIMITED	Lock, Adam	ANIMAL SCIENCE DEPARTMENT ANR	RESEARCH GIFT
12	\$16,195	ARIZONA STATE UNIV	Rowntree, Jason	ANIMAL SCIENCE DEPARTMENT ANR	ADAPTIVE MULTI-Paddock (AMP) GRAZING RESEARCH MODULE 2
13	\$15,000	VARIOUS INDUSTRIES	Rozeboom, Dale	ANIMAL SCIENCE DEPARTMENT ANR	DR. ROZEBOOM FEE FOR SERVICE PROJECTS
14	\$38,833	VARIOUS INDUSTRIES	Ruegg, Pamela	ANIMAL SCIENCE DEPARTMENT ANR	DR. RUEGG'S TESTING ACCOUNT

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
15	\$314,587	NATIONAL INST OF HEALTH	Wang, Yuan	ANIMAL SCIENCE DEPARTMENT ANR	MITOCHONDRIAL DYNAMICS IN SPERMATOGONIAL DIFFERENTIATION
16	\$69,802	NATIONAL INST OF HEALTH	Yaw, Alexandra	ANIMAL SCIENCE DEPARTMENT ANR	THE ROLE OF SEASONAL CHANGES IN LIGHT ON THE REPRODUCTIVE AXIS IN FEMALE MICE
17	\$50,000	AGRICULTURAL RESEARCH SERVICE	Alocilja, Evangelyn	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	DEVELOPMENT OF AN ASFV NANO-BIOSENSOR FOR DISCRIMINATING BETWEEN INFECTED AND VACCINATED ANIMALS (ASFV-DIVA BIOSENSOR)
18	\$122,324	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Das, Narendra	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ENHANCEMENT OF HIGH-RESOLUTION SOIL MOISTURE ALGORITHM AND PRODUCT FOR THE ARCTIC REGION USING THE MULTI-SENSOR DATA FUSION APPROACH
19	\$54,905	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Das, Narendra	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ENHANCEMENT OF SMAP HIGH-RESOLUTION SOIL MOISTURE DATA USING NISAR AND ITS AGRICULTURAL APPLICATION
20	\$50,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Das, Narendra	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	DEVELOPMENT OF GLOBAL HIGH-RESOLUTION SOIL MOISTURE USING A DATA-DRIVEN APPROACH FOR THE NISAR MISSION
21	\$280,000	USDA-NATURAL RESOURCES CONSERVATION SERVICE	Liao, Wei	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	EFFECTS OF THE PLAZER RF PRETREATMENT TECHNOLOGY ON ANAEROBIC DIGESTION OF DAIRY MANURE AND CORRESPONDING SOIL QUALITY
22	\$28,007	AGRICULTURAL RESEARCH SERVICE	Marks, Bradley	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ACQUISITION OF GOODS AND SERVICES
23	\$461,067	NATIONAL INST OF HEALTH	Mitchell, Jade	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	QMRA IV- QUANTITATIVE MICROBIAL RISK ASSESSMENT INTERDISCIPLINARY VEHICLE: ADDRESSING EMERGING GLOBAL HEALTH RISKS
24	\$245,000	UNIVERSITY OF ILLINOIS	Srivastava, Ajit	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	APPROPRIATE-SCALE MECHANIZATION CONSORTIUM FOR SUSTAINABLE INTENSIFICATION PHASE II
25	\$76,183	VARIOUS INDUSTRIES	Uludag-Demirer, Sibel	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	FEE FOR SERVICE - ADREC
26	\$164,998	AGRICULTURAL MARKETING SERVICE	Bielaczyc, Noel	DEPARTMENT OF COMMUNITY SUSTAINABILITY	MANY HATS: ALL THE ROLES FOOD HUB OPERATORS MUST PLAY
27	\$45,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Gensler, Liz	DEPARTMENT OF COMMUNITY SUSTAINABILITY	SPINE MICHIGAN LOCAL FOOD COUNCIL NETWORK

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
28	\$126,325	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Gensler, Liz	DEPARTMENT OF COMMUNITY SUSTAINABILITY	SPINE MICHIGAN LOCAL FOOD COUNCIL NETWORK
29	\$595,726	PENNSYLVANIA STATE UNIV	Schmitt Olabisi, Laura	DEPARTMENT OF COMMUNITY SUSTAINABILITY	ACCELNET-IMPLEMENTATION: US-AFRICA SUSTAINABLE FOOD SYSTEMS THROUGH WATER-ENERGY-FOOD NEXUS NETWORKING (SUSTAINFOOD)
30	\$22,390	MICHIGAN FARMERS MARKET ASSOC	Warsaw, Phillip	DEPARTMENT OF COMMUNITY SUSTAINABILITY	IMPROVING DATA COLLECTION AND UTILIZATION AT MI FARMERS MARKETS
31	\$243,375	NATIONAL INST OF HEALTH	Chung, Henry	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BEYOND SPERMATOGENESIS: ADDITIONAL ROLES OF SEMINAL FLUID FATTY ACIDS IN MALE FERTILITY AND AGE-RELATED REPRODUCTIVE SUCCESS
32	\$12,700	VARIOUS INDUSTRIES	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	ISAACS TESTING PROJECTS
33	\$66,216	POLLINATOR PARTNERSHIP	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	OPTIMIZATION OF HABITAT TO SUPPORT POLLINATORS AND REDUCE PESTS: REMOVING BARRIERS TO HABITAT ADOPTION IN HIGHBUSH BLUEBERRY
34	\$199,769	U.S. EMBASSY IN ETHIOPIA	Kedisso, Endale Gebre	ENTOMOLOGY AGRICULTURE AND NATURAL RES	CAPACITY STRENGTHENING THROUGH CURRICULUM ENHANCEMENT OF UNIVERSITIES EDUCATION IN ETHIOPIA FOR LIVESTOCK FEED MANAGEMENT IN PASTORAL AND AGRO-PASTORAL SYSTEMS
35	\$160,000	BAYER CROPS SCIENCE	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MSU-BAYER SCIENCE AND TECHNOLOGY GLOBAL FELLOWSHIP PROGRAM
36	\$60,000	USDA FOREST SERVICE	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	AREA-WIDE CONTROL OF EMERALD ASH BORER USING INTEGRATED BIOLOGICAL CONTROL AND SYSTEMIC INSECTICIDES
37	\$25,000	PURDUE UNIV	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EAB UNIVERSITY: USING WEB-BASED SEMINARS COOPERATIVELY TO PROVIDE INFORMATION ABOUT EAB AND OTHER INVASIVE FOREST HEALTH ISSUES TO TARGETED AUDIENCES.
38	\$10,000	MORGAN COMPOSTING INC	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MORGAN COMPOSTING - RES. GIFT
39	\$64,286	UNIVERSITY OF IDAHO	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SYSTEMS APPROACH TO CONTROLLING NEMATODES IN US POTATO PRODUCTION
40	\$80,000	USDA FOREST SERVICE	Ravlin, Bill	ENTOMOLOGY AGRICULTURE AND NATURAL RES	PARASITOID ESTABLISHMENT AND IMPACT FOR BIOLOGICAL CONTROL OF EMERALD ASH BORER ACROSS A NORTH SOUTH GRADIENT

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
41	\$133,556	VARIOUS INDUSTRIES	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	WISE TESTING PROJECTS
42	\$1,136,558	NORTH CAROLINA STATE UNIV	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	IR-4 MINOR CROP PEST MANAGEMENT
43	\$25,066	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Ziegler, Amos	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EAB BIOLOGICAL CONTROL MOBILE DATA COLLECTION FOR RELEASE, RECOVERY AND EVALUATION
44	\$111,170	MICHIGAN DEPT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	IMPROVING FISHERY STOCK ASSESSMENTS IN THE GREAT LAKES
45	\$18,409	MINNESOTA DEPT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	MICHIGAN STATE UNIVERSITY QUANTITATIVE FISHERIES CENTER/GREAT LAKES FISHERIES CONSULTING WITH MINNESOTA DEPARTMENT OF NATURAL RESOURCES
46	\$25,498	GREAT LAKES FISHERY COMMISSION	Brenden, Travis	FISHERIES AND WILDLIFE	PRACTICAL GUIDANCE FOR SELECTING A METHODOLOGY FOR CONDUCTING STOCK IDENTIFICATION IN THE GREAT LAKES
47	\$130,000	US GEOLOGICAL SURVEY	Brenden, Travis	FISHERIES AND WILDLIFE	IMPROVE CONTROL EFFICIENCY THROUGH BETTER UNDERSTANDING OF GRASS CARP BEHAVIOR IN NEARSHORE AREAS OF THE GREAT LAKES
48	\$160,592	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Christensen, Sonja	FISHERIES AND WILDLIFE	ASSESSING LANDOWNER ACCESS FOR CWD MANAGEMENT: WILLINGNESS TO ACCEPT CWD MANAGEMENT AND IMPLICATIONS FOR DISEASE SPREAD
49	\$100,948	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Dreelin, Erin	FISHERIES AND WILDLIFE	MINET BEACH SUPPORT
50	\$66,476	UNIVERSITY OF MINNESOTA	Infante, Dana	FISHERIES AND WILDLIFE	A PROPOSAL TO HOST THE DEPARTMENT OF INTERIOR'S (USGS) MIDWEST CLIMATE ADAPTATION SCIENCE CENTER
51	\$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
52	\$52,573	US GEOLOGICAL SURVEY	Infante, Dana	FISHERIES AND WILDLIFE	PREDICTING INVASION HOTSPOTS FOR AQUATIC ORGANISMS ACROSS THE U.S. LANDSCAPE
53	\$465,606	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	DR. WEIMING LI PERM AGREEMENT
54	\$1,667,472	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	PERSONNEL AND OPERATIONS COST FOR SEA LAMPREY GML LAB-PERM
55	\$270,722	NATIONAL SCIENCE FOUNDATION	Liu, Jianguo	FISHERIES AND WILDLIFE	COLLABORATIVE RESEARCH: COMPLEX EFFECTS OF TELECOUPLED ACTIVITIES IN THE CHANGING ENVIRONMENT OF THE ARCTIC

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
56	\$192,746	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	Liu, Jianguo	FISHERIES AND WILDLIFE	HDR INSTITUTE: GEOSPATIAL UNDERSTANDING THROUGH AN INTEGRATIVE DISCOVERY ENVIRONMENT
57	\$45,125	TC ENERGY	Owen, Jennifer	FISHERIES AND WILDLIFE	UNRAVELING THE MIGRATION OF RED-TAILED HAWKS IN THE GREAT LAKES REGION
58	\$10,000	MICHIGAN DEPT OF NATURAL RESOURCES	Owen, Jennifer	FISHERIES AND WILDLIFE	BURKE LAKE BANDING STATION SUPPORT
59	\$7,910	GREAT LAKES FISHERY COMMISSION	Robinson, Kelly	FISHERIES AND WILDLIFE	THE CONSEQUENCES OF CONNECTIVITY
60	\$15,000	MICHIGAN DEPT OF NATURAL RESOURCES	Roloff, Gary	FISHERIES AND WILDLIFE	WILDLIFE RESPONSES TO INNOVATIVE SILVICULTURAL APPROACHES IN NORTHERN HARDWOOD FORESTS OF MICHIGAN
61	\$45,000	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Roloff, Gary	FISHERIES AND WILDLIFE	EVALUATING NON-LETHAL TOOLS TO REDUCE DAMAGE CAUSED BY AMERICAN BEAVER
62	\$89,785	UNIVERSITY OF MICHIGAN	Rose, Joan	FISHERIES AND WILDLIFE	WATER INFRASTRUCTURE REGIONAL PLANNING
63	\$1,230,048	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rose, Joan	FISHERIES AND WILDLIFE	SARS-COV-2 EPIDEMIOLOGY – WASTEWATER EVALUATION AND REPORTING (SEWER) NETWORK
64	\$100,139	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rose, Joan	FISHERIES AND WILDLIFE	SARS-COV-2 EPIDEMIOLOGY – WASTEWATER EVALUATION AND REPORTING (SEWER) NETWORK
65	\$20,000	STATE OF MICHIGAN	Scribner, Kim	FISHERIES AND WILDLIFE	TO EXPAND BASELINE GENETIC DATABASES AND TO CONDUCT MOLECULAR GENETIC ANALYSES
66	\$263,631	UNIVERSITY OF WISCONSIN	Tsao, Jean	FISHERIES AND WILDLIFE	MIDWEST CENTER OF EXCELLENCE FOR VECTOR-BORNE DISEASE
67	\$169,724	GREAT LAKES FISHERY COMMISSION	Vandergoot, Christopher	FISHERIES AND WILDLIFE	PERM SALARY: CHRIS VANDERGoot
68	\$38,367	MICHIGAN SEA GRANT COLLEGE PROGRAM	Vandergoot, Christopher	FISHERIES AND WILDLIFE	SOURCES OF WALLEYE RECRUITMENT AND NATURAL REPRODUCTION IN SAGINAW BAY
69	\$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
70	\$38,912	WELLESLEY COLLEGE	Comstock, Sarah	FOOD SCIENCE AND HUM NUTRITION ANR	DIVERSITY OF HUMAN MILK OLIGOSACCHARIDE METABOLIZING GENES IN TWO INFANT COHORTS
71	\$10,000	AGRICULTURAL RESEARCH SERVICE	Mayhew, Emily	FOOD SCIENCE AND HUM NUTRITION ANR	OFF-FLAVORS IN PULSE FLOURS

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
72	\$10,000	MICHIGAN STATE MILLERS ASSOC	Ng, Perry	FOOD SCIENCE AND HUM NUTRITION ANR	WHEAT QUALITY TESTING PROGRAM
73	\$8,000	AGRICULTURAL RESEARCH SERVICE	Swada, Jeffrey	FOOD SCIENCE AND HUM NUTRITION ANR	DRY BEAN DEHULLING METHOD DEVELOPMENT
74	\$150,000	UNIVERSITY OF FLORIDA	Wu, Felicia	FOOD SCIENCE AND HUM NUTRITION ANR	AFLATOXIN M1 HEALTH RISKS VS. BENEFITS OF DAIRY CONSUMPTION IN ETHIOPIAN CHILDREN: AN EPIDEMIOLOGICAL TRIAL AND RISK-BENEFIT ANALYSIS
75	\$54,854	USDA FOREST SERVICE	Cooper, Lauren	FORESTRY	FOREST CARBON MANAGEMENT: SCIENCE SYNTHESIS AND DELIVERY
76	\$27,000	AMER FORESTS	Cooper, Lauren	FORESTRY	MSU FCCP SUPPORT FOR THE IT.ORG SUMMIT
77	\$70,799	USDA FOREST SERVICE	Dowtin, Asia	FORESTRY	URBAN-WILDFIRE (FORESTRY INTEGRATIVE RESEARCH EXPERIENCE): A TSU AND MSU COLLABORATIVE LEARNING OPPORTUNITY
78	\$410,114	MICHIGAN DEPT OF NATURAL RESOURCES	Dowtin, Asia	FORESTRY	DEVELOPMENT AND IMPLEMENTATION OF URBAN AND COMMUNITY FORESTRY INITIATIVE FOR MICHIGAN
79	\$227,450	USDA FOREST SERVICE	Dowtin, Asia	FORESTRY	ENGAGING DETROIT COMMUNITIES THROUGH REFORESTATION ACROSS SIX DIFFERENT SITE TYPES: A PROJECT OF THE GREAT LAKES RESTORATION INITIATIVE
80	\$100,000	USDA FOREST SERVICE	Finley, Andrew	FORESTRY	SMALL AREA ESTIMATION METHODS AND TOOL DEVELOPMENT FOR CARBON MONITORING IN INTERIOR ALASKA
81	\$29,079	USDA FOREST SERVICE	Huff, Emily	FORESTRY	MEASURING LANDOWNER WELLBEING ACROSS DIFFERENT LAND COVER TYPES
82	\$19,996	US EMBASSY IN FINLAND	Kobe, Richard	FORESTRY	PROPOSED WORKSHOP: CLIMATE CHANGE SOLUTIONS THROUGH BIO-BASED PRODUCTS
83	\$90,000	USDA FOREST SERVICE	Macfarlane, David	FORESTRY	MIDWEST REGION- VALIDATING THE SPECIES AND ORIGIN OF AMERICAN HARDWOODS
84	\$50,000	USDA FOREST SERVICE	Macfarlane, David	FORESTRY	INVESTIGATING NEW NATIONAL TREE BIOMASS MODELS FOR URBAN FIA
85	\$150,000	UNITED SOYBEAN BOARD	Nejad, Mojgan	FORESTRY	DEVELOPMENT OF SOY-LIGNIN POLYURETHANE FLEXIBLE FOAM FOR AUTOMOTIVE APPLICATION
86	\$40,000	PENN SOIL RESOURCE CONSERVATION & DEV COUNCIL	Pokharel, Raju	FORESTRY	THE ECONOMIC TRADEOFFS IN TIMBER PRODUCTS UNDER VARIOUS CARBON MANAGEMENT STRATEGIES FOR MARYLAND AND PENNSYLVANIA
87	\$142,648	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Skole, David	FORESTRY	NEW TRANSITIONS IN SMALLHOLDER AGRICULTURAL SYSTEMS THAT PROMOTE INCREASED TREE COVER OUTSIDE OF FORESTS
88	\$128,141	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Skole, David	FORESTRY	HOTSPOT DETECTION FOR MONITORING NEW TRENDS IN CARBON SEQUESTRATION IN SYSTEMS OF TREES OUTSIDE OF FORESTS (TOF)

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
89	\$700,001	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Skole, David	FORESTRY	SOUTH ASIAN SMALLHOLDER FORESTS AND OTHER TREE-BASED SYSTEMS: SYNTHESIZING LCLUC DATA AND APPROACHES TO FOSTER A NATURAL CLIMATE SOLUTION THAT IMPROVES LIVELIHOODS
90	\$180,000	MICHIGAN DEPT OF NATURAL RESOURCES	Walters, Michael	FORESTRY	SILVICULTURE IMPACTS ON GROUND VEGETATION IN NORTHERN HARDWOOD FORESTS OF MICHIGAN
91	\$32,969	VARIOUS INDUSTRIES	Beaudry, Randolph	HORTICULTURE ANR	BEAUDRY HARVEST TESTING
92	\$19,034	CHRISTMAS TREE PROMOTION BOARD	Cregg, Bert	HORTICULTURE ANR	MANAGING CONE FORMATION IN ABIES CHRISTMAS TREE SPECIES
93	\$108,145	NORTH CAROLINA STATE UNIV	Edger, Patrick	HORTICULTURE ANR	VACCINIUMCAP: LEVERAGING GENETIC AND GENOMIC RESOURCES TO ENABLE DEVELOPMENT OF IMPROVED BLUEBERRY AND CRANBERRY CULTIVARS TO GROWERS AND CONSUMERS
94	\$10,000	MICHIGAN APPLE COMMITTEE	Einhorn, Todd	HORTICULTURE ANR	NEW THINNING STRATEGIES TO IMPROVE APPLE PROFITABILITY AND PREDICTABILITY
95	\$159,708	CORNELL UNIV	Einhorn, Todd	HORTICULTURE ANR	PRECISION CROP LOAD MANAGEMENT FOR APPLES
96	\$3,482,251	NATIONAL INST OF FOOD & AGRICULTURE	Lopez, Roberto	HORTICULTURE ANR	CEA HERB: CONTROLLED ENVIRONMENT AGRICULTURE HERB EXTENSION AND RESEARCH BASE
97	\$35,000	AMER FLORAL ENDOWMENT	Lopez, Roberto	HORTICULTURE ANR	DEVELOPING FOLIAGE STOCK PLANT, LINER AND FINISH PLANT PRODUCTION PROTOCOLS FOR TEMPERATE CLIMATES
98	\$35,000	AMER FLORAL ENDOWMENT	Lopez, Roberto	HORTICULTURE ANR	MANIPULATING LIGHT QUANTITY, QUALITY, AND DURATION TO IMPROVE TIMING, YIELD, AND QUALITY OF GREENHOUSE GROWN CUT FLOWERS
99	\$27,500	LONGWOOD GARDENS	Runkle, Erik	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF FLORICULTURE RESEARCH PROGRAMS
100	\$13,000	MICHIGAN NURSERY & LANDSCAPE ASSOC	Saha, Debalina	HORTICULTURE ANR	DEBATING GLYPHOSATE, UNDERSTANDING THE PROMINENCE OF HERBICIDE RESISTANCE AND RESIDUALS IN NURSERIES: SPECIALTY CROPS MATTER!!
101	\$192,957	AGRICULTURAL RESEARCH SERVICE	Song, Guo-Qing	HORTICULTURE ANR	DEVELOP NOVEL TRANSIENT TRANSFORMATION METHODS FOR CREATING NON-TRANSGENIC GENE EDITING EVENTS IN GRAPEVINE
102	\$22,922	AMER FLORAL ENDOWMENT	Warner, Ryan	HORTICULTURE ANR	ALTERING PETUNIA DEVELOPMENT RATE TO IMPROVE CUTTING YIELD AND CROP PRODUCTION EFFICIENCY
103	\$15,965	US EMBASSY & CONSULATES IN FRANCE	Auras, Rafael	PACKAGING	DEVELOPING A COMMON UNDERSTANDING OF SUSTAINABLE PACKAGING SYSTEMS TO ENHANCE FRANCO-AMERICAN COOPERATION
104	\$216,666	FOREIGN AGRICULTURAL SERVICE	Auras, Rafael	PACKAGING	IMPACT OF THE NEW EU PACKAGING WASTE DIRECTIVE ON THE U.S. SPECIALTY CROPS TRADE
105	\$516,531	NATIONAL INST OF FOOD & AGRICULTURE	Byrne, Jan	PLANT SOIL AND MICROBIAL SCIENCES	NORTH CENTRAL PLANT DIAGNOSTIC NETWORK

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
106	\$45,000	MICHIGAN WHEAT PROGRAM	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	IMPROVING WHEAT DISEASE MANAGEMENT THROUGH SEED TREATMENT, HEAD SCAB AND FOLIAR FUNGICIDE EVALUATION
107	\$71,577	AGRICULTURAL RESEARCH SERVICE	Gomez, Francisco	PLANT SOIL AND MICROBIAL SCIENCES	LEVERAGING PLANT-MICROBE INTERACTIONS TO OPTIMIZE SYMBIOTIC NITROGEN FIXATION OF DRY BEAN
108	\$116,279	AGRICULTURAL RESEARCH SERVICE	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	ADVANCING NOVEL TACTICS AND TRIAGING FUNGICIDE RESISTANCE FOR BOTRYTIS CINEREA AND OTHER PROFIT-LIMITING PATHOGENS
109	\$83,119	AGRICULTURAL RESEARCH SERVICE	Hooper, Sharon	PLANT SOIL AND MICROBIAL SCIENCES	PINTO BEAN FLOUR QUALITY
110	\$134,695	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
111	\$75,000	BEET SUGAR DEVELOPMENT FOUNDATION	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	SUGARBEET RESEARCH
112	\$10,625	VARIOUS INDUSTRIES	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	LONG POTATO TESTING
113	\$20,763	MICHIGAN WHEAT PROGRAM	Merewitz Holm, Emily	PLANT SOIL AND MICROBIAL SCIENCES	INFLUENCE OF ICE ENCASEMENT AND WINTER DESICCATION ON WINTER WHEAT PHYSIOLOGY AND YIELD
114	\$20,000	AGBIOME INC	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	RESEARCH GIFT FROM AGBIOME
115	\$53,500	VARIOUS INDUSTRIES	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	MILES PSM TESTING
116	\$79,473	MICHIGAN WHEAT PROGRAM	Pennington, Dennis	PLANT SOIL AND MICROBIAL SCIENCES	MI WHEAT 2021 - 2022 PROGRAM OF WORK
117	\$15,000	MICHIGAN CROP IMPROVEMENT ASSOC	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATING IMPACTS OF PLANTING DATE AND SEEDING RATE ON WHITETAIL SOFT WHITE WINTER WHEAT
118	\$28,532	VARIOUS INDUSTRIES	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	SINGH PSM TESTING
119	\$27,008	MICHIGAN WHEAT PROGRAM	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	EXPLORING WINTER WHEAT CANOPY ARCHITECTURE FOR VARIETY-SPECIFIC MANAGEMENT STRATEGIES
120	\$28,315	MICHIGAN WHEAT PROGRAM	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	COVER CROP ESTABLISHMENT FOLLOWING PRE AND POST HARVEST WHEAT HERBICIDES
121	\$20,129	MICHIGAN WHEAT PROGRAM	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	PLANTING DATE AND TEMPERATURE EFFECTS ON WHEAT SENSITIVITY TO HERBICIDES – YEAR 1
122	\$32,200	VARIOUS INDUSTRIES	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	SPRAGUE PSM TESTING

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
123	\$35,250	VARIOUS INDUSTRIES	Steinke, Kurt	PLANT SOIL AND MICROBIAL SCIENCES	STEINKE PSM TESTING
124	\$22,500	MICHIGAN APPLE COMMITTEE	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	FUNGICIDE RESISTANCE SCREENING IN THE APPLE SCAB PATHOGEN VENTURIA INAEQUALIS, AND CONTINUED WORK ON SHOOT BLIGHT MANAGEMENT
125	\$11,500	AGBIOME INC	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	TREE FRUIT RESEARCH AND EDUCATION PROGRAM
126	\$11,500	VARIOUS INDUSTRIES	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	SUNDIN PSM TESTING
127	\$100,800	VARIOUS INDUSTRIES	Vargas, Joseph	PLANT SOIL AND MICROBIAL SCIENCES	VARGAS PSM TESTING
128	\$99,996	UNITED SOYBEAN BOARD	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	CONTINUE DEVELOPMENT AND COMMERCIALIZATION OF NON-GMO HIGH OLEIC VARIETIES IN MATURITY GROUPS I TO III
129	\$60,000	UNITED SOYBEAN BOARD	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	INCORPORATION OF NOVEL RESISTANCE GENES INTO NON-GMO HIGH OLEIC SOYBEAN VARIETIES USING GENETICS, GENOMICS, AND BREEDING TOOLS
130	\$127,800	VARIOUS INDUSTRIES	Willbur, Jaime	PLANT SOIL AND MICROBIAL SCIENCES	WILLBUR PSM TESTING
131	\$50,000	US ARMY CORPS OF ENGINEERS	Cui, Yue	SCHOOL OF PLANNING DES CONSTRUCTION ANR	MAINTENANCE AND UPDATES FOR THE REGIONAL ECONOMIC SYSTEM (RECONS) MODEL
132	\$34,215	US ARMY CORPS OF ENGINEERS	Cui, Yue	SCHOOL OF PLANNING DES CONSTRUCTION ANR	2022-23 IPA
133	\$22,940	ASSET FUNDERS NETWORK	Durst, Noah	SCHOOL OF PLANNING DES CONSTRUCTION ANR	NORTH TEXAS HOUSING STABILITY PROJECT: HEIRS' PROPERTY HOMEOWNERS AND ACCESS TO HOMESTEAD EXEMPTIONS
134	\$30,000	MICHIGAN DEPT OF NATURAL RESOURCES	Kim, Jun Hyun	SCHOOL OF PLANNING DES CONSTRUCTION ANR	SUSTAINABLE PARK DESIGN AND PLANNING PROJECT
135	\$200,000	NATIONAL SCIENCE FOUNDATION	Zhao, Dong	SCHOOL OF PLANNING DES CONSTRUCTION ANR	RESEARCH INITIATION: EXPLORE STUDENT VIRTUAL COLLABORATIONS TO PREPARE FOR FUTURE DIGITAL EDUCATION
COLLEGE OF ARTS AND LETTERS					
136	\$1,249,282	NATIONAL SCIENCE FOUNDATION	Fitzpatrick, Kathleen	AL RESEARCH AND SCHOLARSHIP	DISCIPLINARY IMPROVEMENTS: THE DBER+ COMMONS – A FAIR/CARE/OS RCN
137	\$749,924	NATIONAL SCIENCE FOUNDATION	O'Rourke, Michael	AL RESEARCH AND SCHOLARSHIP	TEAM SCIENCE CURRICULUM & VIDEO DEVELOPMENT
138	\$230,476	INST OF INTL EDUCATION	Albee, Mark	ENGLISH LANGUAGE CENTER	ENGLISH LANGUAGE CERTIFICATE PROGRAM FOR BRAZILIAN HIGH SCHOOL TEACHERS

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
139	\$136,392	NATIONAL SCIENCE FOUNDATION	Durvasula, Karthik	LINGUISTICS, LANGUAGES, AND CULTURES	COLLABORATIVE RESEARCH: DECONSTRUCTING WORDLIKENESS JUDGMENTS
140	\$37,000	PRESIDENT & FELLOWS OF HARVARD COLLEGE	Katz, Emily	PHILOSOPHY	MATHEMATICAL EXPLANATION IN PHILOSOPHY: ARISTOTLE VS. THE EARLY ACADEMY
141	\$55,674	UNIVERSITY OF MICHIGAN	Khalil, Mohammad	RELIGIOUS STUDIES	DIGITAL ISLAMIC STUDIES CURRICULUM (DISC)
142	\$154,688	UNIVERSITY OF SAN FRANCISCO	Boyles, Christina	WRITING RHETORIC AND AMERICAN CULTURE	DISASTER BY DESIGN: HOW AI FUELS DISCRIMINATION AND FOSTERS CRISIS
ELI BROAD COLLEGE OF BUSINESS					
143	\$174,975	CARNEGIE MELLON UNIV	Susarla, Anjana	ACCOUNTING AND INFORMATION SYSTEMS	LEVERAGING YOUTUBE VIDEO ANALYTICS FOR PATIENT EDUCATION: A DIGITAL THERAPY TOOL FOR CLINICIANS TO RETRIEVE AND SHARE UNDERSTANDABLE VIDEOS ON CHRONIC DISEASE MANAGEMENT
144	\$46,144	NATIONAL SCIENCE FOUNDATION	Narayanan, Sriram	DEPARTMENT OF SUPPLY CHAIN MANAGEMENT	ABILITIES, OPPORTUNITIES AND THE FUTURE OF WORK CONFERENCE
145	\$383,148	US ARMY RESEARCH INST FOR THE BEHAVIORAL & SOCIAL SCIENCES	Hollenbeck, John	MANAGEMENT	TASK INTERDEPENDENCE IN MULTITEAM SYSTEMS: SYNERGY, PROCESS LOSS AND THE MODERATING IMPACT OF COMMUNICATION AND TEAM MEMBER DIVERSITY (RESEARCH AREA: UNDERSTANDING TEAM DYNAMICS)
COLLEGE OF COMMUNICATION ARTS SCIENCES					
146	\$143,985	NATIONAL SCIENCE FOUNDATION	Besley, John	ADVERTISING AND PUBLIC RELATIONS	SAI-P: EXPLORING THE INFRASTRUCTURE AVAILABLE TO SCIENTISTS WHO WANT TO COMMUNICATE STRATEGICALLY
147	\$202,655	NATIONAL SCIENCE FOUNDATION	Thorson, Kjerstin	ADVERTISING AND PUBLIC RELATIONS	COLLABORATIVE RESEARCH: IIS:HCC: SMALL: THE NEW GATEKEEPERS: CONTENT MODERATION AND INFORMATION THREATS IN LOCAL COMMUNITIES
148	\$10,000	FRED ROGERS PRODUCTIONS	Turner, Shawn	BROADCASTING SERVICES	BE MY NEIGHBOR DAY 2022-23
149	\$21,450	CAPITAL AREA UNITED WAY INC	Turner, Shawn	BROADCASTING SERVICES	COMMUNITY INVESTMENT
150	\$141,307	ANHEUSER BUSCH FOUNDATION	Martell, Dennis	COMMUNICATION ARTS AND SCIENCES DEAN	NATIONAL SOCIAL NORMS CENTER
151	\$146,773	UNIVERSITY OF DELAWARE	Deliyski, Dimitar	COMMUNICATIVE SCIENCES DISORDERS CAS	COGNITIVE AND BIOLOGICAL MECHANISMS IN PEDIATRIC VOICE THERAPY

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
152	\$156,890	NATIONAL INST OF HEALTH	Argyris, Young	MEDIA AND INFORMATION	DEVELOPMENT OF A VACCINE INFORMATICS SYSTEM AND ITS APPLICATION TO IDENTIFYING THE IMPACT OF VACCINE DEBATE ON IMMUNIZATION RATES DURING A GLOBAL PANDEMIC
153	\$42,854	MERIT NETWORK INC	Hardy, Jean	MEDIA AND INFORMATION	HUMAN-CENTERED INFRASTRUCTURE DESIGN AND THE FUTURE OF RURAL DIGITAL CONNECTIVITY
154	\$499,894	MICHIGAN DEPT OF LICENSING & REGULATORY AFFAIRS	Swierenga, Sarah	MEDIA AND INFORMATION	MICHIGAN WORKFORCE BACKGROUND CHECK FY23
155	\$191,116	CNH INDUSTRIAL	Swierenga, Sarah	MEDIA AND INFORMATION	ASSESSMENT OF USER NEEDS FOR COMMERCIAL TRACTORS
COLLEGE OF EDUCATION					
156	\$125,000	VARIOUS SCHOOLS	Paine, Lynn	CED INTERNATIONAL STUDIES IN EDUCATION	WORLD LANGUAGE TEACHER CERTIFICATION RESIDENCY PROGRAM
157	\$4,820,400	US AGENCY FOR INTL DEVELOPMENT	Reimann, Christopher	CED INTERNATIONAL STUDIES IN EDUCATION	STRENGTHENING SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS & EXPANDING DEGREE OPPORTUNITIES (SSTEMEDO)
158	\$17,556	VARIOUS SCHOOLS	Beverly, Bryan	CED OUTREACH	K-12 SCHOOL IMPROVEMENT TRAINING
159	\$477,000	LANSING SCHOOL DISTRICT	Beverly, Bryan	CED OUTREACH	LANSING SCHOOL DISTRICT FELLOWSHIP OF INSTRUCTIONAL LEADERS 2022-2023
160	\$625,078	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	IMPROVING SERVICE DELIVERY FOR CHILDREN WITH SED
161	\$109,137	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	IMPROVING SERVICE DELIVERY FOR CHILDREN WITH SED
162	\$512,504	INST OF EDUCATION SCIENCES	Cho, Eunsoo	COUNSELING, EDUC PSYCH & SPEC EDUC	PROJECT I-SMART: INTERVENTION TO SUPPORT MINDSET AND READING TOGETHER
163	\$151,452	VANDERBILT UNIV	Cho, Eunsoo	COUNSELING, EDUC PSYCH & SPEC EDUC	NATIONAL CENTER FOR LEADERSHIP IN INTENSIVE INTERVENTION (NCLII)
164	\$391,853	US DEPT OF EDUCATION	Fisher, Marisa	COUNSELING, EDUC PSYCH & SPEC EDUC	PROJECT FUTURE: FOCUS ON THE UNDERSERVED IN TRANSITION USING REHABILITATION AND EDUCATION
165	\$47,658	TEACHERS COLLEGE COLUMBIA UNIV	Frank, Kenneth	COUNSELING, EDUC PSYCH & SPEC EDUC	UNDERSTANDING FIRST-GENERATION COLLEGE STUDENTS' CONNECTIONS TO SUPPORT ON AND OFF CAMPUS
166	\$47,482	NORTHWESTERN UNIV	Konstantopoulos, Spyros	COUNSELING, EDUC PSYCH & SPEC EDUC	A SUMMER RCT INSTITUTE FOR ESTABLISHED RESEARCHERS

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
167	\$195,491	US DEPT OF EDUCATION	Lee, Ka Lai	COUNSELING, EDUC PSYCH & SPEC EDUC	MICHIGAN STATE UNIVERSITY MASTERS OF ARTS REHABILITATION COUNSELING PROGRAM
168	\$45,000	BLUE CROSS BLUE SHIELD OF MICHIGAN FOUNDATION	Lee, Ka Lai	COUNSELING, EDUC PSYCH & SPEC EDUC	THE IN-PERSON AND ONLINE STRESS MANAGEMENT SKILLS TRAINING PROGRAM SIERA – A FEASIBILITY STUDY TO IMPROVE MENTAL WELLNESS FOR ADULTS WITH MENTAL ILLNESS
169	\$1,272,975	MICHIGAN REHABILITATION SERVICES	Sung, Connie	COUNSELING, EDUC PSYCH & SPEC EDUC	DEVELOPMENT AND VALIDATION OF SOCIAL COGNITIVE CAREER THEORY (SCCT) INTERVENTIONS FOR VR CONSUMERS – A CAREER PATHWAY FOR QUALITY EMPLOYMENT AND UPWARD MOBILITY IN STEMM FIELDS: PROJECT STEMM-UP
170	\$59,118	LANSING SCHOOL DISTRICT	Wahman, Charis	COUNSELING, EDUC PSYCH & SPEC EDUC	LANSING SCHOOL DISTRICT APPLIED BEHAVIOR ANALYSIS PRACTICUM TRAINING PROGRAM CONTRACT
171	\$248,197	US DEPT OF EDUCATION	Witmer, Sara	COUNSELING, EDUC PSYCH & SPEC EDUC	HYBRID INTERDISCIPLINARY TRAINING TO ADDRESS HIGH INTENSITY NEEDS OF STUDENTS WITH LEARNING DISABILITIES (PROJECT HI2LD)
172	\$227,028	CITY UNIV OF NEW YORK	Yadav, Aman	COUNSELING, EDUC PSYCH & SPEC EDUC	COMPUTING INTEGRATED TEACHER EDUCATION (CITE)
173	\$225,000	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 (HEALTH IN OUR HANDS)
174	\$277,480	TULANE UNIV	Cowen, Joshua	EDUCATION POLICY CENTER	THE SCHOOL CHOICE POLICY RESEARCH CENTER: IMPROVING POLICY, IMPLEMENTATION, AND OUTCOMES FOR DISADVANTAGED STUDENTS
175	\$244,953	UNIVERSITY OF CONNECTICUT	Strunk, Katharine	EDUCATION POLICY CENTER	NATIONAL RESEARCH AND DEVELOPMENT CENTER ON IMPROVING ACCESS, INSTRUCTION, AND OUTCOMES IN GIFTED EDUCATION
176	\$979,032	INST OF EDUCATION SCIENCES	Strunk, Katharine	EDUCATION POLICY CENTER	EVALUATING MICHIGAN'S EARLY LITERACY LAW: IMPACTS, IMPLEMENTATION AND IMPROVING STATE CAPACITY
177	\$29,853	STEELCASE FOUNDATION	Dhaliwal, Tasminda	EDUCATIONAL ADMINISTRATION	KENT ISD RESTORATIVE PRACTICES AND SOCIAL-EMOTIONAL LEARNING RESEARCH PRACTICE PARTNERSHIP
178	\$40,982	UNIVERSITY OF WISCONSIN	Gonzales, Leslie	EDUCATIONAL ADMINISTRATION	COLLABORATIVE RESEARCH: NSF INCLUDES ALLIANCE: AN ALLIANCE TO DEVELOP AN INCLUSIVE AND DIVERSE NATIONAL FACULTY FOR BROADENING SUCCESS OF UNDERREPRESENTED 2-YEAR AND 4-YEAR STEM STUDENTS
179	\$27,500	AMER EDUCATIONAL RESEARCH ASSOC	Stein, Kristy	EDUCATIONAL ADMINISTRATION	THE IMPACTS OF STUDENT-TEACHER RELATIONSHIPS AND RACE-MATCH MODERATION ON ABSENTEEISM: A FOUR-WAVE LONGITUDINAL DATA STUDY
180	\$60,000	MICHIGAN ELEMENTARY AND MIDDLE SCHOOL PRINCIPALS ASSOC	Yun, John	EDUCATIONAL ADMINISTRATION	EVALUATION OF BUILDING HEALTHY COMMUNITIES: STEP UP FOR SCHOOL WELLNESS
181	\$686,011	NATIONAL INST OF HEALTH	Currie, Katharine	KINESIOLOGY - ED	CHRONO-EXERCISE IS MEDICINE: IMPROVING BLOOD PRESSURE AND VASCULAR FUNCTION THROUGH CHRONOTHERAPY

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
182	\$78,250	NATIONAL INST OF HEALTH	Ferguson, David	KINESIOLOGY - ED	DETERMINATION OF THE MICROBIOME OF GROWTH RESTRICTED MICE
183	\$75,135	RAINMAKER SOLUTIONS INC	Ferguson, David	KINESIOLOGY - ED	DATA MINING TO DETERMINE THE PRIMARY FACTORS FOR CONTINUOUS MICRO DOSING HYDRATION
184	\$9,403	NASCAR EVENT MANAGEMENT	Ferguson, David	KINESIOLOGY - ED	PHYSIOLOGICAL MONITORING TO INCREASE DRIVER SAFETY IN NASCAR
185	\$81,906	NIKE INC	Harkey, Matthew	KINESIOLOGY - ED	PERFORMANCE, MECHANICS, AND MUSCULOSKELETAL IMAGING IN NCAA ATHLETES (NIKE 4)
186	\$127,221	NATIONAL INST OF HEALTH	Harkey, Matthew	KINESIOLOGY - ED	WALK THIS WAY: PHYSICAL ACTIVITY AND WALKING BIOMECHANICS LEAD TO EARLY KNEE OA SYMPTOMS AND ULTRASOUND-DETECTED STRUCTURAL PATHOLOGY AFTER ACL RECONSTRUCTION
187	\$161,112	UNIVERSITY OF MICHIGAN	Pfeiffer, Karin	KINESIOLOGY - ED	THE CHAMP AFTER SCHOOL PROGRAM: PROMOTING PHYSICAL ACTIVITY & HEALTH IN CHILDREN
188	\$40,796	WILLIAM T GRANT FOUNDATION	Carter Andrews, Dorinda	TEACHER EDUCATION	SPECIAL INTEREST GROUP FOR GRANTEEES CONDUCTING RESEARCH ON RACE AND RACISM IN SCHOOLS
	COLLEGE OF ENGINEERING				
189	\$40,099	NATIONAL INST OF HEALTH	Netzley, Alesa	BIOMEDICAL ENGINEERING	ASSESSMENT OF BEHAVIORAL DEFICITS IN MINIPIG MODEL OF PEDIATRIC CONCUSSION
190	\$43,872	FLORIDA STATE UNIV	Bieler, Thomas	CHEMICAL ENGINEERING AND MATERIALS SCI	THE EFFECT OF PROCESS HISTORY ON GRAIN BOUNDARIES AND DISLOCATION SUBSTRUCTURES ON FUNCTIONAL PROPERTIES OF NB FOR SRF CAVITIES: PLASTIC FORMABILITY AND MICROSTRUCTURAL EVOLUTION
191	\$55,000	NATIONAL SCIENCE FOUNDATION	Boehlert, Carl	CHEMICAL ENGINEERING AND MATERIALS SCI	INTERNATIONAL SUPPLEMENT TO EXISTING NSF DMR AWARD
192	\$12,000	NATIONAL SCIENCE FOUNDATION	Chan, Christina	CHEMICAL ENGINEERING AND MATERIALS SCI	COLLABORATIVE RESEARCH: DYNAMIC DEGRADATION OF PROTEINS BY UBIQUITINATION PROVIDES A NOVEL THERAPEUTIC FOR CONTROLLING ELEVATED PROTEIN LEVELS
193	\$65,000	VARIOUS INDUSTRIES	Narayan, Ramani	CHEMICAL ENGINEERING AND MATERIALS SCI	FEE FOR SERVICE RAMANI NARAYAN
194	\$113,351	NATIONAL SCIENCE FOUNDATION	Zevalkink, Alexandra	CHEMICAL ENGINEERING AND MATERIALS SCI	CAREER: DECOUPLING STRUCTURE AND COMPOSITION WITH ZINTL POLYMORPHS
195	\$90,000	ARGONNE NATIONAL LABORATORY	Buch, Neeraj	CIVIL AND ENVIRONMENTAL ENGINEERING	INTEGRATING OPTIMAL ELECTRIC VEHICLE CHARGING INFRASTRUCTURE FOR LIGHT- TO HEAVY-DUTY VEHICLE CLASSES INTO POLARIS FOR METROPOLITAN AREAS
196	\$240,000	STATE OF IOWA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	FIELD AND LABORATORY EVALUATION OF ROADSIDE SOIL QUALITY RESTORATION PRACTICES

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
197	\$400,000	NATIONAL SCIENCE FOUNDATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	COLLABORATIVE RESEARCH: NNA RESEARCH: TOWARDS RESILIENT WATER INFRASTRUCTURE IN ALASKA NATIVE COMMUNITIES THROUGH KNOWLEDGE CO-PRODUCTION
198	\$166,064	NEBRASKA DEPARTMENT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	GRAVEL ROAD PERFORMANCE ENHANCEMENTS
199	\$1,718,906	NATIONAL SCIENCE FOUNDATION	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	COLLABORATIVE RESEARCH: NNA RESEARCH: RESPONDING TO ENERGY INSECURITY IN ARCTIC HOUSING USING A COMMUNITY-BASED PARTICIPATORY RESEARCH
200	\$177,320	MICHIGAN FITNESS FOUNDATION	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	TECHNICAL SUPPORT FOR MICHIGAN SAFE ROUTES TO SCHOOL - FY2020
201	\$120,000	MICHIGAN OFFICE OF HIGHWAY SAFETY PLANNING	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	SEAT BELT AND HAND-HELD DEVICE USE DIRECT OBSERVATION SURVEY- FY23-FY25
202	\$325,000	EATON CORP	Haq, Mahmoodul	CIVIL AND ENVIRONMENTAL ENGINEERING	HIGH STRENGTH FUNCTIONAL COMPOSITES - AUTOMATED CONTINUOUS FIBER / TAPE PLACEMENT, EXPERIMENTAL & NUMERICAL CHARACTERIZATION
203	\$12,000	VARIOUS INDUSTRIES	Haq, Mahmoodul	CIVIL AND ENVIRONMENTAL ENGINEERING	FEE FOR SERVICE - CVRC - MAHMOODUL HAQ
204	\$20,000	AMER SOCIETY FOR NONDESTRUCTIVE TESTING	Haq, Mahmoodul	CIVIL AND ENVIRONMENTAL ENGINEERING	IN-SITU CURING PROCESS MONITORING IN POLYMERS USING PORTABLE ULTRASOUND SENSOR
205	\$100,000	ILLINOIS STATE TOLL HIGHWAY AUTHORITY	Jin, Qingxu	CIVIL AND ENVIRONMENTAL ENGINEERING	PHASE CHANGE MATERIAL IN PAVEMENT AND OTHER INNOVATIVE METHODS TO REDUCE CHLORIDE DEICER USAGE
206	\$106,000	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
207	\$71,164	KOHLER CO	Lin, Kaisen	CIVIL AND ENVIRONMENTAL ENGINEERING	STUDY OF PLUME AND AEROSOLIATION PRODUCED BY HIGH VELOCITY AIR JET HAND DRYERS
208	\$161,405	US GEOLOGICAL SURVEY	Mantha, Phanikumar	CIVIL AND ENVIRONMENTAL ENGINEERING	HYDRODYNAMIC SUPPORT FOR COASTAL ECOSYSTEM RESTORATION
209	\$155,939	MINNESOTA DEPT OF TRANSPORTATION	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	COMPLETE STREETS SPEED IMPACTS

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
210	\$1,078,043	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Xagorarakis, Irene	CIVIL AND ENVIRONMENTAL ENGINEERING	WASTEWATER SURVEILLANCE AT THE GREAT LAKES WATER AUTHORITY (GLWA) WATER RESOURCE RECOVERY FACILITY (WRRF) AND AT SELECT LOCATIONS IN WAYNE, MACOMB AND OAKLAND COUNTIES: SARS-COV-2 AND VARIANTS
211	\$269,825	NATIONAL SCIENCE FOUNDATION	Ravishankar, Saiprasad	COMPUTATIONAL MATH SCI AND ENGR EGR	CIF: MEDIUM: TAMING DEEP UNSUPERVISED REPRESENTATION LEARNING IN IMAGING: THEORY AND ALGORITHMS
212	\$64,430	NATIONAL SCIENCE FOUNDATION	Aktulga, H. Metin	COMPUTER SCIENCE AND ENGINEERING	CAREER: SCALABLE SPARSE LINEAR ALGEBRA FOR EXTREME-SCALE DATA ANALYTICS AND SCIENTIFIC COMPUTING
213	\$18,660	HENRY FORD HEALTH SYSTEM MICHIGAN STATE UNIVERSITY HEALTH SCIENCES	Ghassemi, Mohammad	COMPUTER SCIENCE AND ENGINEERING	MAGNETIC RESONANCE IMAGING BASED RADIOMICS MODEL FOR CHARACTERIZATION OF PHYSIOLOGICAL AND MECHANICAL PROPERTIES OF SOLID TUMORS
214	\$50,000	AMAZON WEB SERVICES INC	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	AMAZON GIFT
215	\$30,000	AMAZON	Kordjamshidi, Parisa	COMPUTER SCIENCE AND ENGINEERING	NATURAL LANGUAGE INSTRUCTION FOLLOWING IN REALISTIC VISUAL ENVIRONMENTS
216	\$300,000	NATIONAL SCIENCE FOUNDATION	Liu, Sijia	COMPUTER SCIENCE AND ENGINEERING	COLLABORATIVE RESEARCH: RI: SMALL: ADVANCING THEORY AND PRACTICE OF TRUSTWORTHY MACHINE LEARNING VIA BI-LEVEL OPTIMIZATION
217	\$990,690	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	INTELLIGENT DIAGNOSIS FOR MACHINE AND HUMAN-CENTRIC ADVERSARIES
218	\$120,000	MASSACHUSETTS INST OF TECH LINCOLN LABS	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	INTELLIGENT DATA FUSION FOR IMPROVING BIOMETRIC PERFORMANCE
219	\$300,000	NATIONAL SCIENCE FOUNDATION	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	COLLABORATIVE RESEARCH: III: MEDIUM: GRAPH NEURAL NETWORKS FOR HETEROPHILOUS DATA: ADVANCING THE THEORY, MODELS, AND APPLICATIONS
220	\$1,200,000	NATIONAL SCIENCE FOUNDATION	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	III:MEDIUM:COMPUTATION AND COMMUNICATION EFFICIENT DISTRIBUTED LEARNING
221	\$50,000	NATIONAL SCIENCE FOUNDATION	Zeng, Huacheng	COMPUTER SCIENCE AND ENGINEERING	CAREER: MIMO-BASED BLIND INTERFERENCE CANCELLATION FOR WIRELESS NETWORKING
222	\$450,000	NATIONAL SCIENCE FOUNDATION	Zeng, Huacheng	COMPUTER SCIENCE AND ENGINEERING	TOWARDS REAL-TIME FINE-GRAINED TRACKING IN DISTRIBUTED LARGE-SCALE RF TAG SYSTEMS
223	\$268,000	NATIONAL SCIENCE FOUNDATION	Zhou, Jiayu	COMPUTER SCIENCE AND ENGINEERING	COLLABORATIVE RESEARCH: III: MEDIUM: A CONSOLIDATED FRAMEWORK OF COMPUTATIONAL PRIVACY AND MACHINE LEARNING
224	\$10,800	NATIONAL SCIENCE FOUNDATION	Aviyente, Selin	ELECTRICAL AND COMPUTER ENGINEERING	CIF: SMALL: COMMUNITY DETECTION IN MULTILAYER NETWORKS WITH APPLICATIONS TO FUNCTIONAL CONNECTIVITY BRAIN NETWORKS

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
225	\$10,000	INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS INC	Aviyente, Selin	ELECTRICAL AND COMPUTER ENGINEERING	MAC-SPIKE : MATH, CODING AND SIGNAL PROCESSING IN K-12 EDUCATION
226	\$68,005	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Ayres, Virginia	ELECTRICAL AND COMPUTER ENGINEERING	QUANTUM DEMONSTRATION PROJECT
227	\$30,200	US DEPT OF ENERGY	Baryshev, Sergey	ELECTRICAL AND COMPUTER ENGINEERING	LIGHT AND ELECTRON EMISSION AS BREAKDOWN PROBES: SYNERGISTIC DC AND RF STUDY
228	\$80,000	INFOSCITEX CORPORATION	Bopardikar, Shaunak	ELECTRICAL AND COMPUTER ENGINEERING	COOPERATIVE PERIMETER DEFENSE
229	\$407,214	NATIONAL SCIENCE FOUNDATION	Chakrapani, Sunil Kishore	ELECTRICAL AND COMPUTER ENGINEERING	COLLABORATIVE RESEARCH: UNRAVELING THE MECHANISMS BEHIND ACOUSTOPLASTICITY USING A MULTISCALE COMPUTATIONAL AND IN-SITU, TIME RESOLVED EXPERIMENTAL APPROACH
230	\$30,000	GRANGER LAND DEVELOPMENT CO	Fan, Qi	ELECTRICAL AND COMPUTER ENGINEERING	EFFICIENT DESTRUCTION OF PFAS FOR WASTE MANAGEMENT
231	\$221,395	ARIZONA STATE UNIV	Grotjohn, Timothy	ELECTRICAL AND COMPUTER ENGINEERING	ULTRA MATERIALS FOR A RESILIENT, SMART ELECTRICITY GRID
232	\$275,794	UT BATTELLE LLC	Han, Ming	ELECTRICAL AND COMPUTER ENGINEERING	FIBER OPTIC BOLOMETER DEVELOPMENT
233	\$95,000	BORG WARNER CORP	Lee, Woongkul	ELECTRICAL AND COMPUTER ENGINEERING	COMPREHENSIVE CORRELATIONAL ANALYSIS OF PARTIAL DISCHARGE AND ELECTROMAGNETIC INTERFERENCE UNDER REPETITIVE VOLTAGE PULSES
234	\$93,000	BORG WARNER CORP	Lee, Woongkul	ELECTRICAL AND COMPUTER ENGINEERING	TECHNOLOGY & DESIGN INNOVATIONS TO MAXIMIZE THE REDUCTION EFFECT ON DCFC UNIT COST ECONOMICS (MAX-REDUCE)
235	\$29,237	AMATEUR RADIO DIGITAL COMMUNICATIONS	Li, Tongtong	ELECTRICAL AND COMPUTER ENGINEERING	ANTENNA RESTORATION AND EQUIPMENT UPGRADE FOR THE MICHIGAN STATE UNIVERSITY AMATEUR RADIO CLUB
236	\$139,364	FRAUNHOFER USA	Li, Wen	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER CENTER RENEWAL
237	\$556,910	NATIONAL INST OF HEALTH	Mason, Andrew	ELECTRICAL AND COMPUTER ENGINEERING	WEARABLE MICROSYSTEM FOR CONTINUOUS PERSONALIZED AEROSOL EXPOSURE ASSESSMENT
238	\$590,005	NATIONAL INST OF FOOD & AGRICULTURE	Morris, Daniel	ELECTRICAL AND COMPUTER ENGINEERING	AUTOMATED SWINE PHENOTYPING FOR MANAGEMENT AND RESEARCH
239	\$200,000	PROCTER & GAMBLE CO	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	WIRELESS DEVICE IDENTIFICATION BASED ON NONLINEAR RADIO FREQUENCY TAG SIGNATURES

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
240	\$63,796	PSEUDOLITHIC INC	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	MILLIMETER-WAVE MIMO AND MICRO-DOPPLER RADARS FOR UAS DETECTION, CLASSIFICATION AND TRACKING
241	\$94,926	LAWRENCE LIVERMORE NATIONAL LABORATORY	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	WIRELESS COORDINATION FOR DISTRIBUTED HIGH-POWER MICROWAVE SOURCES
242	\$25,000	HONEYWELL CORP	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	MSU RADAR CONSORTIUM
243	\$48,431	NORTHROP GRUMMAN CORP	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	ELECTRONICS FOR G-BAND ARRAYS - NG COLLABORATION
244	\$72,643	UNIVERSITY OF KANSAS	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	MRI: DEVELOPMENT OF A RECONFIGURABLE RADAR FOR UAS APPLICATIONS
245	\$60,000	NATIONAL SCIENCE FOUNDATION	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	COLLABORATIVE RESEARCH: FW-HTF-R: BUILDING A NEXUS OF WORKERS, ROBOTICS, AND AI FOR SAFE AND EFFICIENT INSPECTION OF UNPIGGABLE PIPELINES
246	\$154,000	US DEPT OF ENERGY	Verboncoeur, John	ELECTRICAL AND COMPUTER ENGINEERING	STUDIES OF KEY MECHANISMS AND CONTROL STRATEGIES FOR PLASMAS IN MICRO/SUB-MICRO SCALES
247	\$163,340	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Zhang, Peng	ELECTRICAL AND COMPUTER ENGINEERING	DETERMINISTIC TO STATISTICAL MODELING OF ELECTRICAL CONTACT AND ELECTRON TRANSPORT IN ANISOTROPIC MATERIALS
248	\$60,369	UNIVERSITY OF MICHIGAN	Caldwell, Theodore	ENGINEERING DEAN	MICHIGAN LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION PHASE IV
249	\$15,000	HENRY FORD HEALTH SYSTEM MICHIGAN STATE UNIVERSITY HEALTH SCIENCES	Alessio, Adam	INSTITUTE FOR QUANTITATIVE HEALTH	IDENTIFICATION OF LONGITUDINAL RADIOGENOMIC FEATURES ASSOCIATED WITH DISEASE PROGRESSION EVENTS IN IDH-MUTANT GLIOMA
250	\$58,000	HENRY FORD HEALTH SYSTEM MICHIGAN STATE UNIVERSITY HEALTH SCIENCES	Alessio, Adam	INSTITUTE FOR QUANTITATIVE HEALTH	AN ADAPTIVE PRE-TREATMENT STRATIFICATION MODEL FOR CLINICAL DECISION SUPPORT OF PATIENTS WITH OROPHARYNGEAL CANCERS
251	\$299,999	NATIONAL SCIENCE FOUNDATION	Contag, Christopher	INSTITUTE FOR QUANTITATIVE HEALTH	EAGER: MAGNETOTHERMAL CONTROL OF CELL FATES AND FUNCTION
252	\$247,345	NATIONAL INST OF HEALTH	Johnson, Brian	INSTITUTE FOR QUANTITATIVE HEALTH	ELUCIDATING AHR SIGNALING INTERPLAY IN OROFACIAL CLEFTING AND ENDOCRINE DISRUPTION USING MICROPLATE MICROFLUIDICS
253	\$589,100	NATIONAL SCIENCE FOUNDATION	Li, Wen	INSTITUTE FOR QUANTITATIVE HEALTH	NSF MRI: ACQUISITION OF A NANOSCALE 3D PRINTER FOR MEDICAL DEVICE PRECISION MANUFACTURING AT MICHIGAN STATE UNIVERSITY
254	\$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"

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
255	\$124,808	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
256	\$494,115	US DEPT OF ENERGY	Benard, Andre	MECHANICAL ENGINEERING	HEAT-EXCHANGER INTENSIFICATION THROUGH POWER PROCESSING AND ENHANCED DESIGN (HIPED)
257	\$344,045	REDOXBLOX INC	Benard, Andre	MECHANICAL ENGINEERING	STORES PLUS-UP
258	\$171,836	UNIVERSITY OF CONNECTICUT	Chung, Haseung	MECHANICAL ENGINEERING	TOPOLOGY OPTIMIZATION OF ADDITIVELY MANUFACTURED HEAT-EXCHANGER PLATES FOR ENHANCED PERFORMANCE (TOP-HEX)
259	\$95,000	FLUID EQUIPMENT DEVELOPMENT CO LLC	Engeda, Abraham	MECHANICAL ENGINEERING	DESALINATION CENTRIFUGAL PUMP DESIGN AND OFF DESIGN PERFORMANCE PREDICTION
260	\$152,873	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Koochesfahani, Manoochehr	MECHANICAL ENGINEERING	PHASE 2: ZBOT-2 THERMOMETRY DIAGNOSTICS DEVELOPMENT
261	\$303,618	NATIONAL SCIENCE FOUNDATION	Li, Zhaojian	MECHANICAL ENGINEERING	COLLABORATIVE RESEARCH:COLLABORATIVE LEARNING FOR MULTI-ROBOT SYSTEMS WITH MODEL-ENABLED PRIVACY PROTECTION AND SAFETY SUPERVISION
262	\$89,860	AGRICULTURAL RESEARCH SERVICE	Li, Zhaojian	MECHANICAL ENGINEERING	DEVELOPMENT OF A CONTROL AND PLANNING SYSTEM FOR AN APPLE ROBOTIC HARVESTER
263	\$109,918	BEAUMONT HOSPITAL	Roccabianca, Sara	MECHANICAL ENGINEERING	MICHIGAN INTERDISCIPLINARY CENTER FOR UROLOGY RESEARCH AND EDUCATION (MI-CURE)
264	\$134,843	US DEPT OF THE ARMY	Toulson, Elisa	MECHANICAL ENGINEERING	JET FUEL TURBULENT JET IGNITION SYSTEM FOR COMPRESSION IGNITION ENGINES
265	\$217,535	MAGNA SERVICES OF AMERICA INC	Zhu, Guoming	MECHANICAL ENGINEERING	TIRE-ROAD FRICTION ESTIMATION
COLLEGE OF HUMAN MEDICINE					
266	\$56,000	NATL ASSOC OF COUNTY & CITY HEALTH OFFICIALS	Esch, Gurbaksh	CHM FLINT	PEDIATRIC PUBLIC HEALTH INITIATIVE IN FLINT, MICHIGAN
267	\$21,036	GREATER FLINT HEALTH COALITION	Esch, Gurbaksh	CHM FLINT	TRAUMA INFORMED CARE EDUCATION ALONGSIDE MINDFULNESS WITH RESIDENTS
268	\$4,321,822	CENTERS FOR DISEASE CONTROL & PREVENTION	Hanna-Attisha, Mona	CHM FLINT	FLINT REGISTRY (FR) 2022-2027
269	\$22,970	UNIVERSITY OF IOWA	Hanna-Attisha, Mona	CHM FLINT	HEALTHY HOMES NEED HEALTHY WATER: DEVELOPING AND IMPLEMENTING A LEAD IN DRINKING WATER ASSESSMENT TOOL

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
270	\$175,000	THE JPB FOUNDATION	Hanna-Attisha, Mona	CHM FLINT	PEDIATRIC PUBLIC HEALTH INITIATIVE ALICE HAMILTON SCHOLARS TRAINING PROGRAM
271	\$9,213	BROWN UNIV	Johnson, Jennifer	CHM FLINT	TREATMENT DEVELOPMENT OF YOGA FOR ANGER MANAGEMENT IN INCARCERATED ADULTS
272	\$1,333,743	NATIONAL INST OF MENTAL HEALTH	Johnson, Jennifer	CHM FLINT	THE ROSE SCALE-UP STUDY: INFORMING A DECISION ABOUT ROSE AS UNIVERSAL POSTPARTUM DEPRESSION PREVENTION
273	\$3,246,915	NATIONAL INST OF MENTAL HEALTH	Johnson, Jennifer	CHM FLINT	THE NATIONAL CENTER FOR HEALTH AND JUSTICE INTEGRATION FOR SUICIDE PREVENTION
274	\$19,490	RHODE ISLAND HOSPITAL	Johnson, Jennifer	CHM FLINT	REDUCING ALCOHOL USE AND SEXUAL DYSFUNCTION IN SURVIVORS OF SEXUAL TRAUMA
275	\$630,937	NATIONAL INST OF HEALTH	Lucas, Todd	CHM FLINT	CULTURALLY-TARGETED COMMUNICATION TO PROMOTE SARS-COV-2 ANTIBODY TESTING IN SALIVA: ENABLING EVALUATION OF INFLAMMATORY PATHWAYS IN COVID-19 RACIAL DISPARITIES
276	\$100,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Ondersma, Steven	CHM FLINT	MICHIGAN STATE OPIOID RESPONSE 2 PROJECT "HT2 TECHNOLOGY PROPOSAL (HT2 MI) SAMHSA STATE OPIOID RESPONSE"
277	\$400,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Ondersma, Steven	CHM FLINT	MICHIGAN STATE OPIOID RESPONSE 2 PROJECT "HT2 TECHNOLOGY PROPOSAL (HT2 MI) SAMHSA STATE OPIOID RESPONSE"
278	\$10,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Ondersma, Steven	CHM FLINT	MICHIGAN STATE OPIOID RESPONSE 2 PROJECT "HT2 TECHNOLOGY PROPOSAL (HT2 MI) SAMHSA STATE OPIOID RESPONSE"
279	\$523,813	NATIONAL INST OF ALCOHOL ABUSE & ALCOHOLISM	Ondersma, Steven	CHM FLINT	SCALING UP: A MULTI-SITE TRIAL OF E-SBI FOR ALCOHOL USE IN PREGNANCY
280	\$82,536	UNIVERSITY OF MICHIGAN	Sadler, Richard	CHM FLINT	PREVENTION RESEARCH CENTER OF MICHIGAN
281	\$27,930	FLINT ODYSSEY HOUSE HEALTH AWARENESS CENTER	Uphold, Heatherlun	CHM FLINT	ENHANCED PARENTING PROJECT
282	\$70,000	CENTERS FOR DISEASE CONTROL & PREVENTION	Uphold, Heatherlun	CHM FLINT	THE NATIONAL NETWORK TO INNOVATE FOR COVID-19 AND ADULT VACCINE EQUITY (NNICE)
283	\$67,500	BLUE CROSS BLUE SHIELD OF MICHIGAN FOUNDATION	Uphold, Heatherlun	CHM FLINT	HEALTH EQUITY REPORT CARD

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
284	\$500,000	MICHIGAN HEALTH ENDOWMENT FUND	Gartner, Danielle	EPIDEMIOLOGY AND BIOSTATISTICS	NOURISHING MICHIGAN INDIGENOUS CHILDREN WITH CULTURAL HEALTH AND EQUITY (N-MICCHE)
285	\$2,901,575	NATIONAL INST OF HEALTH	Kerver, Jean	EPIDEMIOLOGY AND BIOSTATISTICS	PRENATAL EXPOSURES AND CHILD HEALTH OUTCOMES: A STATEWIDE STUDY
286	\$384,456	NATIONAL INST OF HEALTH	Li, Chenxi	EPIDEMIOLOGY AND BIOSTATISTICS	SURVIVAL GENETICS METHODS FOR DETECTING SEX-DEPENDENT GENETIC EFFECTS ON ALZHEIMER'S DISEASE
287	\$159,466	NATIONAL INST OF HEALTH	Li, Chenxi	EPIDEMIOLOGY AND BIOSTATISTICS	EFFICIENT METHODS FOR GENOME-WIDE SURVIVAL ANALYSIS OF EARLY CHILDHOOD CARIES
288	\$158,829	NATIONAL INST OF HEALTH	Margerison, Claire	EPIDEMIOLOGY AND BIOSTATISTICS	PREGNANCY-ASSOCIATED MORTALITY AND MORBIDITY DUE TO DRUGS, SELF-HARM, AND VIOLENCE IN THE UNITED STATES
289	\$559,805	NATIONAL INST OF HEALTH	Margerison, Claire	EPIDEMIOLOGY AND BIOSTATISTICS	PREGNANCY-ASSOCIATED MORTALITY AND MORBIDITY DUE TO DRUGS, SELF-HARM, AND VIOLENCE IN THE UNITED STATES
290	\$301,456	UNIVERSITY OF MINNESOTA	Misra, Dawn	EPIDEMIOLOGY AND BIOSTATISTICS	LOOKING BACK TO LOOK FORWARD: SOCIAL ENVIRONMENT ACROSS THE LIFE COURSE, EPIGENETICS, AND BIRTH OUTCOMES IN BLACK FAMILIES
291	\$527,484	NATIONAL INST OF HEALTH	Morishita, Masako	FAMILY MEDICINE, DEPARTMENT OF	REDUCING PARTICULATE MATTER-ASSOCIATED CARDIOVASCULAR HEALTH EFFECTS FOR SENIORS
292	\$88,996	UNIVERSITY OF MICHIGAN	Ilardo, Joan	HUMAN MEDICINE DEAN	MICHIGAN CENTER FOR URBAN AFRICAN AMERICAN AGING RESEARCH
293	\$14,025	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oostema, John	HUMAN MEDICINE DEAN	MICHIGAN'S ONGOING STROKE REGISTRY TO ACCELERATE IMPROVEMENT OF CARE - OOSTEMA CONSULTANT
294	\$413,289	NATIONAL INST OF HEALTH	Arora, Ripa	INSTITUTE FOR QUANTITATIVE HEALTH	SIGNALING MECHANISMS THAT MODULATE UTERINE 3D STRUCTURE FOR PREGNANCY SUCCESS
295	\$243,883	NATIONAL INST OF HEALTH	Kanada, Masamitsu	INSTITUTE FOR QUANTITATIVE HEALTH	ULTRASOUND-ASSISTED EXTRACELLULAR VESICLE ENGINEERING AND INDUCED RELEASE: EVEIR
296	\$126,913	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Knickmeyer, Rebecca	INSTITUTE FOR QUANTITATIVE HEALTH	THE DEVELOPMENT OF GUT MICROBIOTA AND BEHAVIORAL INHIBITION IN CHILDHOOD: THE ROLE OF EARLY STRESS AND BRAIN DEVELOPMENT
297	\$706,925	NATIONAL INST OF HEALTH	Knickmeyer, Rebecca	INSTITUTE FOR QUANTITATIVE HEALTH	PRENATAL MATERNAL STRESS, EXPOSURE TO ENVIRONMENTAL CHEMICALS, AND COGNITIVE DEVELOPMENT: POTENTIAL ROLES FOR INFLAMMATION AND THE DEVELOPING GUT MICROBIOME
298	\$245,653	PROTEOGENOMICS RESEARCH INST FOR SYSTEMS	Zinn, Kurt	INSTITUTE FOR QUANTITATIVE HEALTH	PRECISION DELIVERY AND IMAGING TO ENHANCE SOLID TUMOR THERAPY

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
299	\$30,000	AMER MEDICAL ASSOC	Chang, Chi	MEDICAL EDUCATION RESEARCH & DEVELOPMENT	USING COMPUTER VISION TECHNIQUES TO IDENTIFY MEDICAL STUDENTS' SAFETY BEHAVIORS IN OBJECTIVE STRUCTURED CLINICAL EXAMINATIONS
300	\$300,000	AMER HEART ASSOC	Ma, Shuangtao	MEDICINE	TARGETING CARDIAC FIBROSIS IN AGING: ROLE OF TRPA1
301	\$100,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rosenman, Kenneth	MEDICINE	ENHANCEMENT OF OCCUPATIONAL/ENVIRONMENTAL MEDICINE
302	\$200,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rosenman, Kenneth	MEDICINE	ADULT BLOOD LEAD EPIDEMIOLOGY AND SURVEILLANCE
303	\$74,563	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rosenman, Kenneth	MEDICINE	EPIDEMIOLOGY AND LABORATORY CAPACITY PROJECT-ENHANCED COLLECTION AND USED OF INDUSTRY & OCCUPATION SURVEILLANCE DATA FOR COVID-19 AND OTHER CONDITIONS
304	\$40,000	MICHIGAN DEPT OF LICENSING & REGULATORY AFFAIRS	Rosenman, Kenneth	MEDICINE	PROVIDING TECHNICAL ASSISTANCE TO PREVENT AGRICULTURE-RELATED TRAUMATIC FATAL INJURIES
305	\$49,437	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Wang, Ling	MEDICINE	BIostatistical SUPPORT
306	\$58,463	MICHIGAN PUBLIC HEALTH INST	Wang, Ling	MEDICINE	BIostatistics EXPERTISE FOR PROJECTS IN THE FIELD EPIDEMIOLOGY SECTION IN THE DIVISION OF ENVIRONMENTAL HEALTH
307	\$216,959	NATIONAL INST FOR OCCUPATIONAL SAFETY & HEALTH	Wang, Ling	MEDICINE	DEVELOPMENT OF ARTIFICIAL INTELLIGENCE (AI) BASED ALGORITHMS TO CLASSIFY THE PNEUMOCONIOSES
308	\$37,137	UNIVERSITY OF MISSOURI	Arora, Ripa	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MOLECULAR MECHANISMS OF ENDOMETRIAL PROGESTERONE RESISTANCE
309	\$336,475	NATIONAL INST OF HEALTH	Chandler, Ronald	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	EPIGENETIC REGULATORY MECHANISMS AND THERAPEUTIC OPPORTUNITIES IN ENDOMETRIOSIS
310	\$239,996	NATIONAL INST OF HEALTH	Debena, Maji	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MOTHERS' ADVOCATES IN THE COMMUNITY FOR MOTHERS WITH EXPERIENCE OF INTIMATE PARTNER VIOLENCE
311	\$171,667	NATIONAL INST OF HEALTH	Meghea, Cristian	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	A SMARTPHONE INTERVENTION FOR PREGNANCY SMOKING CESSATION WITH PEER SUPPORT

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
312	\$300,959	BOSTON CHILDRENS HOSPITAL	Missmer, Stacey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	ENDOMETRIOSIS, PELVIC PAIN, AND COVID-19 IMMUNOLOGIC RESPONSE
313	\$145,657	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Poland, Cara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	STATE OPIOID RELIEF FOR USE DISORDERS
314	\$24,128	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Poland, Cara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	PILOT FOR TREATMENT OF POST-PARTUM WOMEN (FY22-23)
315	\$1,128,357	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Poland, Cara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MI-CARES (SOR3)
316	\$267,800	NATIONAL INST OF HEALTH	Poland, Cara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	INCREASING MINORITY PHYSICIAN AND APRN CLINICIAN-SCIENTIST RESEARCH TRAINING TO EQUALIZE ADDICTION MEDICINE (IMPACT TEAM)
317	\$422,356	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Roman, Leeanne	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MICHIGAN PAY-FOR-SUCCESS DEMONSTRATION: REACHING BLACK AND HISPANIC WOMEN AT GREATEST RISK TO IMPROVE OUTCOMES (AKA: STRONG BEGINNINGS INITIATIVE)
318	\$10,010	SPECTRUM HEALTH SYSTEM	Roman, Leeanne	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	HEALTHY START INITIATIVE: ELIMINATING DISPARITIES IN PERINATAL HEALTH
319	\$39,966	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Alavi, Zakia	PEDIATRICS AND HUMAN DEVELOPMENT	MICHIGAN CHILD COLLABORATIVE CARE-CONNECT (MC3-CONNECT)
320	\$50,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Alavi, Zakia	PEDIATRICS AND HUMAN DEVELOPMENT	MICHIGAN CHILD COLLABORATIVE CARE (MC3-CONNECT)—PSYCHIATRY RESPONSE
321	\$6,396	NATIONAL INST OF HEALTH	Chen, Bin	PEDIATRICS AND HUMAN DEVELOPMENT	REPURPOSE OPEN DATA TO DISCOVER THERAPEUTICS FOR UNDERSTUDIED DISEASES
322	\$415,179	NATIONAL INST OF HEALTH	Chen, Bin	PEDIATRICS AND HUMAN DEVELOPMENT	REPURPOSE OPEN DATA TO DISCOVER THERAPEUTICS FOR UNDERSTUDIED DISEASES
323	\$28,875	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	English, Boyce	PEDIATRICS AND HUMAN DEVELOPMENT	PEDIATRIC GENETICS – FEE FOR SERVICE
324	\$20,000	AMER THROMBOSIS & HEMOSTASIS NETWORK	Jobe, Shawn	PEDIATRICS AND HUMAN DEVELOPMENT	ATHN DATA QUALITY COUNTS 14

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
325	\$80,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Jobe, Shawn	PEDIATRICS AND HUMAN DEVELOPMENT	SICKLE CELL CLINIC EXPANSION AND ENHANCEMENT PROGRAM
326	\$100,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Karna, Padmani	PEDIATRICS AND HUMAN DEVELOPMENT	VERMONT OXFORD NETWORK MI QUALITY INITIATIVE
327	\$6,539	SANOFI PHARMACEUTICAL	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	LTS16294: A PHASE 3 OPEN-LABEL, MULTICENTER STUDY OF THE LONG-TERM SAFETY AND EFFICACY OF IV RFVIIIIFC-VWF-XTEN; BIVV001 IN PREVIOUSLY TREATED PATIENTS WITH SEVERE HEMOPHILIA A
328	\$39,960	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Sigal, Yakov	PEDIATRICS AND HUMAN DEVELOPMENT	2023 PEDIATRIC EPILEPSY ACCESS PROJECT
329	\$81,550	CYSTIC FIBROSIS FOUNDATION	Thomas, Ryan	PEDIATRICS AND HUMAN DEVELOPMENT	MICHIGAN STATE UNIVERSITY CYSTIC FIBROSIS CENTER GRANT 2022
330	\$51,000	WAYNE STATE UNIV	Turner, Jane	PEDIATRICS AND HUMAN DEVELOPMENT	MICHIGAN LEADERSHIP EDUCATION IN NEURODEVELOPMENTAL AND RELATED DISABILITIES (MI-LEND)
331	\$187,992	NATIONAL INST OF HEALTH	Rockwell, Cheryl	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	IMPAIRED NK CELL FUNCTION BY THE SYNTHETIC FOOD ADDITIVE TBHQ
332	\$51,615	SENDA BIOSCIENCES	Mahmoudi, Morteza	RADIOLOGY HUMAN MEDICINE	PROBING THE PROTEIN CORONA COMPOSITION AT THE SURFACE OF LIPID-BASED NANOPARTICLES
333	\$50,000	HENRY FORD HEALTH SYSTEM MICHIGAN STATE UNIVERSITY HEALTH SCIENCES	Moore, Anna	RADIOLOGY HUMAN MEDICINE	NEW NANOTHERAPY FOR GLIOBLASTOMA BASED ON MIRNA-10B INHIBITION
334	\$100,000	NATIONAL SCIENCE FOUNDATION	Qian, Chunqi	RADIOLOGY HUMAN MEDICINE	CAREER: DEVELOPING A COMPACT WIRELESS MULTI-MODAL DETECTOR ARRAY FOR REMOTE SENSING AND IMAGING
335	\$448,024	NATIONAL INST OF HEALTH	Shapiro, Erik	RADIOLOGY HUMAN MEDICINE	EVALUATION OF TANTALUM OXIDE NANOPARTICLES FOR IN VIVO X-RAY COMPUTED TOMOGRAPHY EVALUATION OF IMPLANTABLE BIOMATERIALS
336	\$152,252	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	Zhu, David	RADIOLOGY HUMAN MEDICINE	EXERCISE AND INTENSIVE VASCULAR RISK REDUCTION IN PREVENTING DEMENTIA
337	\$166,375	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	Zhu, David	RADIOLOGY HUMAN MEDICINE	IMPACT OF INTENSIVE TREATMENT OF SYSTOLIC BLOOD PRESSURE ON BRAIN PERFUSION, AMYLOID AND TAU IN OLDER ADULTS (IPAT-STUDY)
338	\$28,510	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY22 TRANSLATING EVIDENCE INTO DEMONSTRATIONS

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
339	\$177,750	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY23 TRANSLATING EVIDENCE INTO DEMONSTRATIONS
340	\$121,004	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY23 OPIOID ANALYTICS
341	\$134,106	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY23 INTEGRATED CARE ASSESSMENT
342	\$50,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY23 HOME COMMUNITY-BASED SERVICES COMMUNITY OUTREACH DATA
343	\$52,731	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Ford, Sabrina	THE INSTITUTE FOR HEALTH POLICY	FY22 MICHIGAN MEDICAID HEALTH INFORMATION TECHNOLOGY (HIT) RESOURCE CENTER
344	\$29,706	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY23 COMPREHENSIVE QUALITY STRATEGY
345	\$8,995	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY22 COMPREHENSIVE QUALITY STRATEGY
346	\$20,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY23 LOCAL HEALTH DEPT REGIONAL EDUCATION SEMINARS
347	\$291,696	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY23 QUALITY IMPROVEMENT WORK PLAN
348	\$34,240	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY23 MEDICAID SUPPORT AND ASSISTANCE
349	\$233,774	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY22 FLINT WATER EVALUATION
350	\$226,490	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY23 NURSING FACILITY DATA TRACKING
351	\$463,072	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY21 HCBS HEIGHTENED SCRUTINY PROJECT

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
352	\$399,632	US DEPT OF THE ARMY	Caulfield, Margaret	TRANSLATIONAL NEUROSCIENCE	MECHANISMS OF ENHANCED NEUROREGENERATION ASSOCIATED WITH THE COMMON HUMAN SINGLE NUCLEOTIDE POLYMORPHISM VAL66MET
353	\$40,543	UNIVERSITY OF GEORGIA	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	NOVEL REENGINEERED MICROBIOME-BASED BIOLOGIC THERAPY TO TREAT COGNITIVE AND BEHAVIORAL SYMPTOMS OF ALZHEIMER'S DISEASE AND RELATED DEMENTIAS
354	\$154,033	ALZHEIMERS ASSOC	Finneran, Dylan	TRANSLATIONAL NEUROSCIENCE	CELL-TYPE SPECIFIC INDUCTION OF CELLULAR SENESCENCE IN A MOUSE MODEL OF AD-LIKE PATHOLOGY
355	\$27,500	HENRY FORD HEALTH SYSTEM MICHIGAN STATE UNIVERSITY HEALTH SCIENCES	Gordon, Marcia	TRANSLATIONAL NEUROSCIENCE	ENHANCING THE THERAPEUTIC GAIN OF RADIATION THERAPY FOR BRAIN CANCER BY REDUCING CELLULAR SENESCENCE
356	\$357,461	UNIVERSITY OF ILLINOIS CHICAGO	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	TAU CONFORMATION IN TAUOPATHIES AND NEURONAL FUNCTION
357	\$386,533	UNIVERSITY OF MICHIGAN	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	MICHIGAN ALZHEIMER'S DISEASE RESEARCH CENTER
358	\$7,302	UNIVERSITY OF MICHIGAN	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	MICHIGAN ALZHEIMER'S DISEASE RESEARCH CENTER
359	\$171,167	UNIVERSITY OF CENTRAL FLORIDA	Morgan, David	TRANSLATIONAL NEUROSCIENCE	INVESTIGATING THE ROLE OF ALZHEIMER'S DISEASE FAMILIAL MUTATIONS IN NEUROMUSCULAR PHYSIOLOGY
360	\$150,050	MICHAEL J FOX FOUNDATION	Patterson, Joseph	TRANSLATIONAL NEUROSCIENCE	ASSESSMENT OF PREFORMED FIBRIL INDUCED SYNUCLEIN AGGREGATION IN HUMAN A53T SYNUCLEIN RATS
361	\$120,911	UNIVERSITY OF MICHIGAN	Vega, Irving	TRANSLATIONAL NEUROSCIENCE	MICHIGAN CENTER FOR CONTEXTUAL FACTORS IN ALZHEIMER'S DISEASE
COLLEGE OF MUSIC					
362	\$21,000	MICHIGAN COUNCIL FOR ARTS & CULTURAL AFFAIRS	Demott, Jaime	COMMUNITY MUSIC SCHOOL	MUSIC EDUCATION INSTRUCTION TO LOW-INCOME STUDENTS
363	\$18,750	ERB FAMILY FOUNDATION	Johnson, Kristopher	COMMUNITY MUSIC SCHOOL	DETROIT ARTS SUPPORT PROJECT FOR GENERAL OPERATING COSTS
364	\$25,000	RUSSELL FAMILY FOUNDATION	Johnson, Kristopher	COMMUNITY MUSIC SCHOOL	INNOVATING THE MUSIC CLASSROOM
365	\$33,000	WORTHINGTON FAMILY FOUNDATION	Helton, Melanie	MUSIC	CONTINUING THE MSU OPERA THEATRE EXPERIENCE: BACK TO LIFE
COLLEGE OF NATURAL SCIENCE					

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
366	\$10,852	UNIVERSITY OF CALIFORNIA RIVERSIDE	Kaguni, Laurie	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	CHEMICAL AND MOLECULAR MECHANISMS OF MITOCHONDRIAL DNA DEGRADATION
367	\$377,993	NATIONAL INST OF HEALTH	Kim, Hyojin	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	MECHANISTIC UNDERSTANDING OF POST-TRANSLATIONAL MEMBRANE PROTEIN TARGETING
368	\$10,237	ADVERTENT BIOTHERAPEUTICS	Martinez Hackert, Erik	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	A NOVEL AGENT FOR PREVENTING PROGRESSION OF MUSCLE PATHOLOGIES IN MUSCULAR DYSTROPHIES
369	\$1,565,100	NATIONAL INST OF HEALTH	Zacharewski, Timothy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	TOXIC LIPID INTERMEDIATE ACCUMULATION AND COBALAMIN DEPLETION PROMOTE AHR-MEDIATED HEPATOTOXICITY AND THE PROGRESSION OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD)-LIKE PATHOLOGIES
370	\$308,978	NATIONAL SCIENCE FOUNDATION	Beck, Warren	CHEMISTRY	COLLABORATIVE RESEARCH: COMBINING THEORY AND EXPERIMENT TO UNDERSTAND THE FIRST PHOTOPHYSICAL EVENTS IN THE PHOTOACTIVATION OF THE ORANGE CAROTENOID PROTEIN
371	\$173,397	US DEPT OF ENERGY	Beck, Warren	CHEMISTRY	ENERGY TRANSFER AND RADIATIONLESS DECAY IN LIGHT-HARVESTING PROTEINS
372	\$185,000	US DEPT OF ENERGY	Dantus, Marcos	CHEMISTRY	SISGR: UNDERSTANDING AND CONTROLLING STRONG-FIELD LASER INTERACTIONS WITH POLYATOMIC MOLECULES
373	\$172,606	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Dantus, Marcos	CHEMISTRY	FEMTOSECOND TIME-RESOLVED ELECTRON IONIZATION MASS SPECTROMETRY
374	\$50,000	HENRY FORD HEALTH SYSTEM MICHIGAN STATE UNIVERSITY HEALTH SCIENCES	Huang, Xuefei	CHEMISTRY	DEVELOPMENT OF SIALYL LEWIS A TARGETING MONOCLONAL ANTIBODIES TOWARDS THE TREATMENT OF PANCREATIC CANCER
375	\$50,000	NATIONAL SCIENCE FOUNDATION	Hunt, Katharine	CHEMISTRY	NONADIABATIC TRANSITION PROBABILITIES: APPLICATIONS IN SPECTROSCOPY, QUANTUM THERMODYNAMICS, AND QUANTUM COMPUTING
376	\$170,234	US DEPT OF ENERGY	Piecuch, Piotr	CHEMISTRY	NEW SINGLE- AND MULTI-REFERENCE COUPLED-CLUSTER METHODS FOR HIGH ACCURACY CALCULATIONS OF GROUND AND EXCITED STATES
377	\$53,583	NATIONAL INST OF HEALTH	Tepe, Jetze	CHEMISTRY	SMALL MOLECULE INDUCED PROTEOLYTIC DESTRUCTION OF INTRINSICALLY DISORDERED PROTEINS (DEI SUPPLEMENT)
378	\$2,965,563	NATIONAL SCIENCE FOUNDATION	Appelo, Daniel	COMPUTATIONAL MATH SCI AND ENGR CNS	HARNESSING THE DATA REVOLUTION TO ENABLE PREDICTIVE MULTI-SCALE MODELING ACROSS STEM
379	\$283,456	NATIONAL SCIENCE FOUNDATION	Appelo, Daniel	COMPUTATIONAL MATH SCI AND ENGR CNS	HIGH ORDER WAVE EQUATION ALGORITHMS FOR FREQUENCY DOMAIN PROBLEMS
380	\$68,000	UNIVERSITY OF IOWA	Bazavov, Alexei	COMPUTATIONAL MATH SCI AND ENGR CNS	FOUNDATIONS OF QUANTUM COMPUTING FOR GAUGE THEORIES AND QUANTUM GRAVITY

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
381	\$985,000	US DEPT OF ENERGY	Christlieb, Andrew	COMPUTATIONAL MATH SCI AND ENGR CNS	CENTER FOR HIERARCHICAL AND ROBUST MODELING OF NON-EQUILIBRIUM TRANSPORT (CHARMNET)
382	\$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
383	\$99,950	NATIONAL SCIENCE FOUNDATION	Munch, Elizabeth	COMPUTATIONAL MATH SCI AND ENGR CNS	COLLABORATIVE RESEARCH: AF: MEDIUM: A UNIFIED FRAMEWORK FOR GEOMETRIC AND TOPOLOGICAL SIGNATURE-BASED SHAPE COMPARISON
384	\$141,984	UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC	Wang, Rongrong	COMPUTATIONAL MATH SCI AND ENGR CNS	OPTIMIZED SPATIAL DATA CONFLATION WITH TOPOLOGICAL CONDITIONS
385	\$14,999	UNIVERSITY OF MICHIGAN	Xie, Yuying	COMPUTATIONAL MATH SCI AND ENGR CNS	ADVANCE VACCINE ADJUVANT COMBINATIONS TO OVERCOME INSENSITIVITY TO STING AGONISTS
386	\$70,603	NATIONAL INST OF HEALTH	Yang, Yang	COMPUTATIONAL MATH SCI AND ENGR CNS	RAPID 3D ULTRASOUND TOMOGRAPHY RECONSTRUCTION METHODS FOR GUIDED INTERVENTIONS
387	\$161,752	UNIVERSITY OF ILLINOIS	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	AI INSTITUTE: ARTIFICIAL INTELLIGENCE FOR FUTURE AGRICULTURAL RESILIENCE, MANAGEMENT, AND SUSTAINABILITY (AIFARMS)
388	\$1,328,000	USDA- FARM SERVICE AGENCY	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	CRP SOIL CARBON ASSESSMENT - WETLANDS: INTEGRATING STRATEGIC SAMPLING WITH AN ENSEMBLE MULTI-MODEL APPROACH TO QUANTIFY AND SCALE SOIL CARBON STOCKS AND CLIMATE BENEFITS IN CRP
389	\$29,700	VARIOUS INDUSTRIES	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	BASSO CROP AND SOIL SCIENCES
390	\$10,000	THE CONTEXT NETWORK, LLC	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	RESEARCH GIFT FROM THE CONTEXT NETWORK
391	\$46,515	TEXAS STATE UNIVERSITY	Kendall, Anthony	EARTH AND ENVIRONMENTAL SCIENCES	INTEGRATING SYSTEMS MODELS AND REMOTE SENSING TO EXPLORE AQUATIC ECOSYSTEM VULNERABILITY TO GLOBAL CHANGE IN LAKE HURON
392	\$47,000	USDA FOREST SERVICE	Cognato, Anthony	ENTOMOLOGY NATURAL SCIENCE	BARK BEETLE IDENTIFICATION AND TAXONOMY (CURCULIONIDAE: SCOLYTINAE).
393	\$47,000	HUMAN FRONTIER SCIENCE PROGRAM	Holekamp, Kay	INTEGRATIVE BIOLOGY	COMMUNICATION AND THE COORDINATION OF COLLECTIVE BEHAVIOR ACROSS SPATIAL SCALES IN ANIMAL SOCIETIES
394	\$90,000	MINNESOTA DEPT OF NATURAL RESOURCES	Meek, Mariah	INTEGRATIVE BIOLOGY	MSU-SNP BROOK TROUT TESTING
395	\$6,000	AMER GENETIC ASSOC	Meek, Mariah	INTEGRATIVE BIOLOGY	THE EFFECTS OF MICROPLASTIC EXPOSURE ACROSS DEVELOPMENT, GENERATIONS, AND MOLECULAR LEVELS

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
396	\$103,957	UNIVERSITY OF FLORIDA	Miller, Kyle	INTEGRATIVE BIOLOGY	BIDIRECTIONAL TRANSPORT OF LYSOSOME RELATED ORGANELLES DURING SYNAPSE MAINTENANCE AND PLASTICITY
397	\$228,084	NATIONAL PARK SERVICE	Zipkin, Elise	INTEGRATIVE BIOLOGY	DEVELOPING SPATIALLY-EXPLICIT INTEGRATED MODELS TO EVALUATE AVIAN DISTRIBUTIONS AND BIODIVERSITY METRICS IN THE EASTERN UNITED STATES
398	\$1,536,017	NATIONAL SCIENCE FOUNDATION	Conner, Jeffrey	KELLOGG BIOLOGICAL STATION NAT SCI	THE INTERACTION OF SELECTION, PLEIOTROPY, AND DRIFT IN PHENOTYPIC EVOLUTION
399	\$149,754	OHIO STATE UNIV	Sprunger, Christine	KELLOGG BIOLOGICAL STATION NAT SCI	AFTER THE FLOOD: IMPACTS OF RHIZOSPHERE BIOLOGY, NUTRIENT CYCLING, AND CORN GROWTH AND YIELD
400	\$87,101	NATIONAL SCIENCE FOUNDATION	Gerhardt, Teena	MATHEMATICS	ALGEBRAIC K-THEORY, TOPOLOGICAL HOCHSCHILD HOMOLOGY, AND EQUIVARIANT HOMOTOPY THEORY
401	\$200,000	NATIONAL SCIENCE FOUNDATION	Stoffregen, Matthew	MATHEMATICS	EQUIVARIANT FLOER HOMOLOGY, CONCORDANCE, AND HOMOLOGY COBORDISM
402	\$730,444	NATIONAL INST OF HEALTH	Abramovitch, Robert	MICROBIOLOGY MOLECULAR GENETICS CNS	CHEMICAL GENETICS OF M. TUBERCULOSIS DSRST SIGNALING AND PERSISTENCE
403	\$189,617	UNIVERSITY OF CHICAGO	Crosson, Sean	MICROBIOLOGY MOLECULAR GENETICS CNS	HOST AND MICROBIAL BASIS OF HUMAN ULCERATIVE COLITIS AND POUCHITIS: IDENTIFICATION, ROLE, MECHANISMS, AND RESOURCE DEVELOPMENT OF HOST SUSCEPTIBILITY AND PATHOBIONT FACTORS
404	\$67,582	NATIONAL INST OF HEALTH	Crosson, Sean	MICROBIOLOGY MOLECULAR GENETICS CNS	CHARACTERIZING THE STRUCTURE AND FUNCTION OF A BACTERIAL MULTI-KINASE SENSORY COMPLEX
405	\$145,534	UNIVERSITY OF MICHIGAN	DiRita, Victor	MICROBIOLOGY MOLECULAR GENETICS CNS	FITNESS OF GRAM-NEGATIVE PATHOGENS DURING BACTEREMIA
406	\$2,159,871	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	DiRita, Victor	MICROBIOLOGY MOLECULAR GENETICS CNS	MSU-MI-SAPPHIRE GENOMIC SURVEILLANCE PROPOSAL (YEAR 2)
407	\$356,255	NATIONAL SCIENCE FOUNDATION	Hausinger, Robert	MICROBIOLOGY MOLECULAR GENETICS CNS	COLLABORATIVE RESEARCH: ETHYLENE-FORMING ENZYME
408	\$100,000	NATIONAL INST OF HEALTH	O'Halloran, Thomas	MICROBIOLOGY MOLECULAR GENETICS CNS	NIH SUPPLEMENT FOR RESOURCE FOR QUANTITATIVE ELEMENTAL MAPPING FOR THE LIFE SCIENCES
409	\$299,873	US ARMY RESEARCH OFFICE	Reguera, Gemma	MICROBIOLOGY MOLECULAR GENETICS CNS	BIOMETALLURGICAL RECOVERY OF CRITICAL METALS IN EXTREME ENVIRONMENTS

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
410	\$187,349	ELSA U PARDEE FOUNDATION	Waters, Christopher	MICROBIOLOGY MOLECULAR GENETICS CNS	ACTIVATING STING IN TUMORS USING VIRAL GENE THERAPY
411	\$782,500	NATIONAL INST OF HEALTH	Zhang, Yu	MICROBIOLOGY MOLECULAR GENETICS CNS	CHROMATIN LOOPING DIRECTED RAG TARGETING DURING V(D)J RECOMBINATION
412	\$200,000	US DEPT OF ENERGY	Berz, Martin	PHYSICS ASTRONOMY	ADVANCED TRANSFER MAP METHODS FOR PARTICLE BEAM DYNAMICS: THEORY, APPLICATIONS, AND EDUCATION
413	\$125,636	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Brown, Edward	PHYSICS ASTRONOMY	THE COMPLEX GEOLOGY OF A NEUTRON STAR'S CRUST
414	\$226,197	NATIONAL SCIENCE FOUNDATION	Caballero, Danny	PHYSICS ASTRONOMY	COLLABORATIVE RESEARCH: FACILITATING CHANGE IN UNDERGRADUATE STEM: A MULTIDISCIPLINARY, MULTIMETHOD METASYNTHESIS MAPPING A DECADE OF GROWTH
415	\$322,258	NATIONAL SCIENCE FOUNDATION	Chomiuk, Laura	PHYSICS ASTRONOMY	COLLABORATIVE RESEARCH: CHARTING THE SUPERNOVA-GAS-STARS CONNECTION VIA A MAJOR NEW VLA SURVEY OF THE LOCAL GROUP
416	\$199,755	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Cocker, Tyler	PHYSICS ASTRONOMY	ULTRAFAST TERAHERTZ SCANNING TUNNELING MICROSCOPY OF INTERFACIAL CHARGE CARRIER DYNAMICS IN ULTRACLEAN TWO-DIMENSIONAL SEMICONDUCTOR HETEROSTRUCTURES
417	\$631,609	UNIVERSITY OF WISCONSIN MADISON	DeYoung, Tyce	PHYSICS ASTRONOMY	ICECUBE DATA ANALYSIS IN THE U.S. 2022-2025
418	\$260,000	UNIVERSITY OF WISCONSIN MADISON	DeYoung, Tyce	PHYSICS ASTRONOMY	ICECUBE GEN@ PHASE: AN ICECUBE EXTENSION FOR PREVISION NEUTRINO PHYSICS AND ASTROPHYSICS - CONTRUCTION UPGRADE
419	\$185,972	COLUMBIA UNIV	Fisher, Wade	PHYSICS ASTRONOMY	LHC HIGH LUMINOSITY WBS 6.08.03.01 TRIGGER FRAMEWORK - MREFC - MSU
420	\$102,291	COLUMBIA UNIV	Fisher, Wade	PHYSICS ASTRONOMY	LHC HIGH LUMINOSITY WBS 6.08.03.02 TRIGGER CLUSTERING ALGORITHM - MREFC - MSU
421	\$105,525	UNIVERSITY OF MICHIGAN	Hayden, Daniel	PHYSICS ASTRONOMY	U.S. ATLAS OPERATIONS: DISCOVERY AND MEASUREMENT AT THE ENERGY FRONTIER
422	\$98,630	COLUMBIA UNIV	Hayden, Daniel	PHYSICS ASTRONOMY	MREFC: US ATLAS HL-LHC UPGRADE PROJECT
423	\$415,181	NATIONAL SCIENCE FOUNDATION	Kerzendorf, Wolfgang	PHYSICS ASTRONOMY	COLLABORATIVE RESEARCH: UNRAVELLING STRIPPED SUPERNOVAE - SYNERGY BETWEEN OBSERVATIONS AND MODELING
424	\$41,000	UNIVERSITY OF WISCONSIN MILWAUKEE	Kopper, Claudio	PHYSICS ASTRONOMY	A FRAMEWORK FOR DATA INTENSIVE DISCOVERY IN MULTIMESSENGER ASTROPHYSICS
425	\$54,666	COLORADO SCHOOL OF MINES	Maghrebi, Mohammad	PHYSICS ASTRONOMY	NON-EQUILIBRIUM STEADY STATES AND DYNAMICS IN A TRAPPED-ION QUANTUM SIMULATOR WITH ENGINEERED DISSIPATION

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
426	\$265,000	US DEPT OF ENERGY	Mahn, Kendall	PHYSICS ASTRONOMY	IMPROVED NEUTRINO OSCILLATION MEASUREMENTS USING MULTIPLE NEUTRINO ENERGY SPECTRA
427	\$103,457	NATIONAL SCIENCE FOUNDATION	Pollanen, Johannes	PHYSICS ASTRONOMY	CAREER: CIRCUIT QUANTUM OPTICS WITH PIEZOELECTRIC SURFACE ACOUSTIC WAVES
428	\$264,874	COLUMBIA UNIV	Schwienhorst, Reinhard	PHYSICS ASTRONOMY	LHC HIGH LUMINOSITY UPGRADE (HL-LHC) WBS 6.06.01.02 MUON SMDT - MREFC - MSU
429	\$133,022	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Strader, Jay	PHYSICS ASTRONOMY	COMPACT BINARIES IN GALACTIC GLOBULAR CLUSTERS
430	\$280,902	NATIONAL SCIENCE FOUNDATION	Strader, Jay	PHYSICS ASTRONOMY	COMPACT BINARIES AND THE ORIGIN OF MILLISECOND PULSARS
431	\$74,998	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Strader, Jay	PHYSICS ASTRONOMY	UNCOVERING FERMI GALACTIC BINARIES WITH OPTICAL SPECTROSCOPY
432	\$742,507	NATIONAL SCIENCE FOUNDATION	Tollefson, Kirsten	PHYSICS ASTRONOMY	WOU-MMA: MULTI-MESSENGER AND MULTI-WAVELENGTH PARTICLE ASTROPHYSICS WITH HAWC
433	\$341,516	NATIONAL SCIENCE FOUNDATION	Voit, Gerard	PHYSICS ASTRONOMY	BARYON CYCLES IN THE BIGGEST GALAXIES
434	\$10,265	SPACE TELESCOPE SCIENCE INST	Zepf, Stephen	PHYSICS ASTRONOMY	FAR-ULTRAVIOLET INSIGHTS INTO MULTIPLE POPULATIONS IN EXTRAGALACTIC GLOBULAR CLUSTERS
435	\$157,822	US DEPT OF ENERGY	Zhang, Pengpeng	PHYSICS ASTRONOMY	MICROSCOPIC UNDERSTANDING OF THIN FILM GROWTH AND SUBSTRATE ENGINEERING OF ORGANIC CHARGE TRANSFER COMPLEXES
436	\$107,500	STATE OF CALIFORNIA	McCabe, Laura	PHYSIOLOGY NATURAL SCIENCE	ESTABLISHING THE ROLE OF DRIED PLUMS IN THE PREVENTION OF GLUCOCORTICOID INDUCED OSTEOPOROSIS IN MICE
437	\$600,024	NATIONAL INST OF HEALTH	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	PROJECTION-SPECIFIC GENE EXPRESSION IN RESILIENCE TO CHRONIC STRESS
438	\$570,937	NATIONAL INST OF HEALTH	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	TRANSCRIPTIONAL MECHANISMS IN MAST CELLS UNDERLYING IMMUNE FUNCTION AND DISEASE
439	\$90,130	UNIVERSITY OF TEXAS MEDICAL BRANCH	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	LEVERAGING DELTA FOS B AS A POTENTIAL THERAPEUTIC FOR ALZHEIMER'S DISEASE
440	\$416,001	NATIONAL INST OF HEALTH	Wang, Hongbing	PHYSIOLOGY NATURAL SCIENCE	MECHANISM UNDERLYING COGNITIVE AND SYNAPTIC FLEXIBILITY
441	\$502,151	NATIONAL SCIENCE FOUNDATION	Farre Prokosch, Eva	PLANT BIOLOGY CNS	COLLABORATIVE RESEARCH: AUREOCHROMES-LIGHT SIGNALING IN THE SEA

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
442	\$303,166	NATIONAL SCIENCE FOUNDATION	Josephs, Emily	PLANT BIOLOGY CNS	COLLABORATIVE RESEARCH: ORCC:RUI: INTEGRATING EVOLUTIONARY AND MIGRATORY POTENTIAL OF CHAMAECRISTA FASCICULATA INTO FORECASTS OF RANGE-WIDE POPULATION DYNAMICS UNDER CLIMATE CHANGE
443	\$426,033	UNIVERSITY OF TEXAS AT AUSTIN	Lowry, David	PLANT BIOLOGY CNS	TESTING PREDICTIONS OF PLANT-MICROBE-ENVIRONMENT INTERACTIONS TO OPTIMIZE CLIMATE ADAPTATION AND IMPROVE SUSTAINABILITY IN SWITCHGRASS FEEDSTOCKS
444	\$22,000	US DEPT OF AGRICULTURE	Sullivan, Lauren	PLANT BIOLOGY CNS	BIODIVERSITY MEASUREMENTS IN THE CENTRAL MISSISSIPPI RIVER BASIN LTAR SITE
445	\$489,112	YALE UNIV	Trail, Frances	PLANT BIOLOGY CNS	EVOLUTIONARY MULTISPECIES TRANSCRIPTOMICS TO REVEAL GENES THAT GOVERN FUNGAL SPORE GERMINATION AND PATHOGENESIS
446	\$88,878	NATIONAL SCIENCE FOUNDATION	Ducat, Daniel	PLANT RESEARCH LABORATORY NAT SCIENCE	CAREER: ILLUMINATING EMERGENT MICROBIAL INTERACTIONS VIA MODULAR SYNTHETIC CONSORTIA
447	\$220,071	US DEPT OF ENERGY	Kramer, David	PLANT RESEARCH LABORATORY NAT SCIENCE	THE DYNAMIC ENERGY BUDGET OF PHOTOSYNTHESIS
448	\$208,990	NATIONAL SCIENCE FOUNDATION	Sharkey, Thomas	PLANT RESEARCH LABORATORY NAT SCIENCE	ISOPRENE EMISSION FROM PLANTS: AN EVOLUTIONARY BALANCING ACT
449	\$1,620,651	NATIONAL SCIENCE FOUNDATION	Phillips, Elizabeth	PROGRAM IN MATHEMATICS EDUCATION	USING PROBLEM-BASED LEARNING ANALYTICS TO INVESTIGATE INDIVIDUAL AND COLLABORATIVE MATHEMATICS LEARNING IN A DIGITAL ENVIRONMENT OVER TIME
COLLEGE OF OSTEOPATHIC MEDICINE					
450	\$738,750	US DEPT OF STATE	Ghimire, Ramjee	INSTITUTE FOR GLOBAL HEALTH	MEKONG ONE HEALTH INNOVATION PROGRAM (MOHIP)
451	\$5,960	CEREVEL THERAPEUTICS LLC	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED, PARALLEL-GROUP, 27-WEEK TRIAL TO EVALUATE THE EFFICACY, SAFETY, AND TOLERABILITY OF TWO FIXED DOSES OF TAVAPADON IN EARLY PARKINSON'S DISEASE
452	\$14,220	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
453	\$23,939	NEURODERM LTD	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A MULTICENTER, RANDOMIZED, ACTIVE-CONTROLLED, DOUBLE-BLIND, DOUBLE-DUMMY, PARALLEL GROUP CLINICAL TRIAL, INVESTIGATING THE EFFICACY, SAFETY, AND TOLERABILITY OF CONTINUOUS SUBCUTANEOUS ND0612 INFUSION

Gift, Grant and Contract Report Board of Trustees December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
454	\$16,141	AEON BIOPHARMA, INC.	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 2, RANDOMIZED, DOUBLE-BLIND, MULTICENTER, PLACEBO-CONTROLLED STUDY TO EVALUATE THE SAFETY AND EFFICACY OF INTRAMUSCULAR ABP-450 (PRABOTULINUMTOXINA) INJECTION FOR THE TREATMENT OF CERVICAL
455	\$38,020	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)
456	\$13,060	RA PHARMACEUTICALS INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, MULTICENTER, OPEN-LABEL EXTENSION STUDY OF ZILUCOPLAN IN SUBJECTS WITH GENERALIZED MYASTHENIA GRAVIS
457	\$40,164	EISAI INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	EISAI BAN2401-G000-201 OPEN LABEL EXTENSION
458	\$559,136	NATIONAL INST OF HEALTH	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	IDENTIFYING FUNCTIONAL ANTIBODY RESPONSES THAT PROTECT AGAINST MALARIA IN CHILDREN
459	\$11,556	UNIVERSITY OF ROCHESTER	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	AGGRESSIVE ANTIPYRETICS IN CNS MALARIA: A RANDOMIZED-CONTROLLED TRIAL ASSESSING ANTIPYRETIC EFFICACY AND PARASITE CLEARANCE
460	\$5,742	BOSTON UNIV	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	COVID - TRANSMISSION AND MORBIDITY IN MALAWI (COVID-TMM)
461	\$39,418	INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	GUT MICROBIOTA AND HUMAN MALARIA
462	\$661,166	NATIONAL INST OF HEALTH	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	THE INTRANSIGENCE OF MALARIA IN MALAWI: UNDERSTANDING HIDDEN RESERVOIRS, SUCCESSFUL VECTORS AND PREVENTION FAILURES
463	\$7,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Greenberg, Joel	PEDIATRICS	PEDIATRIC EPILEPSY ACCESS PROJECT - COLLEGE OF OSTEOPATHIC MEDICINE
464	\$186,000	NATIONAL INST OF FOOD & AGRICULTURE	Bernard, Matthew	PHARMACOLOGY TOXICOLOGY	ACQUISITION OF A BRIGHTFIELD IMAGING CAPABLE FLOW CYTOMETER TO FACILITATE AGRICULTURAL AND ENVIRONMENTAL RESEARCH
465	\$155,000	ALZHEIMERS ASSOC	Lansdell, Theresa	PHARMACOLOGY TOXICOLOGY	CEREBRAL HYPOPERFUSION INDUCES INSULIN RESISTANCE AND EXACERBATES ALZHEIMER'S DISEASE
466	\$225,000	BREAST CANCER RESEARCH FOUNDATION	Liby, Karen	PHARMACOLOGY TOXICOLOGY	CHEMOPREVENTION OF EXPERIMENTAL ESTROGEN RECEPTOR-NEGATIVE BREAST CANCER
467	\$300,000	HEALTH RESOURCES IN ACTION	Liby, Karen	PHARMACOLOGY TOXICOLOGY	NOVEL RXR AGONIST FOR NEUROFIBROMATOSIS
468	\$375,445	NATIONAL INST OF HEALTH	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	MECHANISM OF ACTION OF INHIBITORS OF MRTF/SRF-REGULATED GENE TRANSCRIPTION

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
469	\$234,750	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Tewari-Singh, Neera	PHARMACOLOGY TOXICOLOGY	TREATMENT STRATEGIES FOR OCULAR TOXICITY FROM CHLOROPICRIN
470	\$99,196	AMER OSTEOPATHIC ASSOC	Hallgren, Richard	PHYSICAL MEDICINE AND REHABILITATION	TREATING CHRONIC CERVICOGENIC HEAD AND NECK PAIN WITH OSTEOPATHIC MANIPULATION AND EXERCISE THERAPY
471	\$14,758	UNIVERSITY OF NORTH CAROLINA	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	UNDERSTANDING MATERNAL-FETAL ZIKA VIRUS TRANSMISSION AND ITS COMPLICATIONS IN NICARAGUA
472	\$62,163	OREGON HEALTH & SCIENCE UNIVERSITY	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	NEUROEBOLA
473	\$81,034	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Ezeamama, Amara	PSYCHIATRY OSTEOPATHIC MEDICINE	FOLATE DEFICIENCY, PERIPARTUM ANTIRETROVIRAL DRUG EXPOSURE AND NEURODEVELOPMENTAL OUTCOMES AT 6 - 18 YEARS OLD IN HIV AFFECTED AND CONTROL CHILDREN
474	\$663,033	NATIONAL INST OF HEALTH	Ezeamama, Amara	PSYCHIATRY OSTEOPATHIC MEDICINE	IDENTIFYING ADOLESCENTS AT HIGH RISK OF NEUROCOGNITIVE DISORDER: DEVELOPMENT AND VALIDATION OF A COMPOSITE RISK INDEX
475	\$28,034	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)
476	\$20,340	UNIVERSITY OF ARIZONA	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	NEED-BASED ADAPTIVE SYMPTOM MANAGEMENT TO ADDRESS SOCIAL DETERMINANTS OF HEALTH AT INDIVIDUAL, INTERPERSONAL, AND COMMUNITY LEVELS
477	\$12,713	UNIVERSITY OF ARIZONA	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	VIDA PLENA: LIFESTYLE INTERVENTION FOR HISPANIC FEMALE CANCER SURVIVORS AND CAREGIVERS
478	\$2,102,537	NATIONAL INST OF HEALTH	Qian, Chunqi	RADIOLOGY OSTEOPATHIC MEDICINE	A MULTI-MODAL WIRELESS OSCILLATOR ARRAY FOR HIGH-RESOLUTION MAPPING OF NEUROVASCULAR COUPLING
COLLEGE OF SOCIAL SCIENCE					
479	\$22,057	UNIVERSITY OF KENTUCKY	Hefner, Joseph	ANTHROPOLOGY SOCIAL SCIENCE	DEVELOPING STANDARDIZED GRAPHIC LIBRARIES FOR ANATOMY: A FOCUS ON HUMAN CRANIOFACIAL ANATOMY AND PHENOTYPES
480	\$61,858	INGHAM COUNTY CIRCUIT COURT	Cavanagh, Caitlin	CRIMINAL JUSTICE	JUVENILE RISK ASSESSMENT TEAM
481	\$19,550	DEAKIN UNIV AUSTRALIA	Chermak, Steven	CRIMINAL JUSTICE	SCIENTIFIC KNOWLEDGE AND APPROACHES TO DEFINING AND MEASURING HATE CRIME, HATE SPEECH AND HATE INCIDENTS
482	\$260,191	MICHIGAN STATE POLICE	Holt, Karen	CRIMINAL JUSTICE	AN OFFENDER-FOCUSED APPROACH TO SEXUAL ASSAULT INVESTIGATIONS
483	\$149,994	JUSTICE RESEARCH & STATISTICS ASSOC	Rojek, Jeffrey	CRIMINAL JUSTICE	BUREAU OF JUSTICE ASSISTANCE (BJA) FY 21 SMART SUITE TRAINING AND TECHNICAL ASSISTANCE
484	\$44,787	OFFICE OF JUSTICE PROGRAMS	Wolfe, Scott	CRIMINAL JUSTICE	FY 2022 MICHIGAN STATE JUSTICE STATISTICS PROGRAM

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
485	\$39,095	NATIONAL SCIENCE FOUNDATION	Barnwal, Prabhat	ECONOMICS	DOCTORAL DISSERTATION RESEARCH: DRMS: SOCIAL SIGNALING AND HEALTH RISK MITIGATION
486	\$61,952	STANFORD UNIV	Lee, Ajin	ECONOMICS	“RACIAL BIAS IN RISK-ADJUSTMENT ALGORITHMS AND IMPLICATIONS FOR RACIAL HEALTH DISPARITIES: EVIDENCE FROM DUAL-ELIGIBLE MEDICARE/MEDICAID LONG-TERM CARE PATIENTS IN NEW YORK”
487	\$217,732	SYNOPTIC DATA CORP	Andresen, Jeffrey	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	NATIONAL MESONET PROGRAM FOR MSU ENVIROWEATHER EFFORT
488	\$20,800	STATE OF MICHIGAN	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	MICHIGAN STATEWIDE HYDROGRAPHY UPDATE
489	\$5,643	NATURAL RESOURCES CONSERVATION SERVICE	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	IMAGE INTERPRETATION FOR THE NRI ON-LINE COURSE – 11TH OPERATIONAL YEAR
490	\$17,609	WAYNE STATE UNIV	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	CENTER FOR LEADERSHIP IN ENVIRONMENTAL AWARENESS AND RESEARCH (CLEAR)
491	\$16,874	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Pearson, Amber	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	VITAL RECORDS GEOCODING PROJECT
492	\$108,931	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Pearson, Amber	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	HEALTH POLICY ANALYSIS AND MAPPING
493	\$16,565	USDA-NATURAL RESOURCES CONSERVATION SERVICE	Schaetzl, Randall	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	2022 NORTH CENTRAL REGION NATIONAL COOPERATIVE SOIL SURVEY CONFERENCE
494	\$149,992	NATIONAL PARK SERVICE	Theuerkauf, Ethan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	GRADUATE STUDENT SUPPORT FOR NATHANIEL PENROD
495	\$84,998	USDA FOREST SERVICE	Zhong, Shiyuan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	MODELING AND MONITORING SUPPORT FOR STUDIES OF SMOKE DISPERSION FROM WILDLAND FIRES
496	\$73,399	UNIVERSITY OF MICHIGAN	Andresen, Jeffrey	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	GREAT LAKES INTEGRATED SCIENCE AND ASSESSMENTS (GLISA)
497	\$272,114	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

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
498	\$200,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Henebry, Geoffrey	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	ATMOSPHERIC TELECONNECTIONS AND ANTHROPOGENIC TELECOUPLINGS DRIVE LAND CHANGE IN CENTRAL ASIAN HIGHLANDS: HOW ENVIRONMENTAL CHANGES, MIGRATION, AND REMITTANCES THREATEN MONTANE AGROPASTORALIST...
499	\$400,000	CHARLES STEWART MOTT FOUNDATION	Moran, Emilio	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	ENERGY CONVERGENCE FOR OFF-GRID AMAZONIAN COMMUNITIES
500	\$159,102	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	WHERE ARE THE MISSING BURNED AREAS? GLOBAL HOTSPOTS OF BURNED AREA - A MULTIREOLUTION ANALYSIS
501	\$17,480	KBR	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	LANDSAT KBR SUBCONTRACT
502	\$19,305	UNIVERSITY OF MARYLAND	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	SUPPORT AND MAINTENANCE OF S-NPP AND JPSS VIIRS GLOBAL ACTIVE FIRE AND BURNED AREA EARTH SYSTEM DATA RECORDS
503	\$31,907	KBR	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	LANDSAT KBR SUBCONTRACT
504	\$21,691	CORP FOR DIGITAL SCHOLARSHIP	Leon, Sharon	HISTORY	OMEKA MANAGEMENT
505	\$122,250	MICHIGAN DEPT OF EDUCATION	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	CHILD CARE STABILIZATION GRANT - HASLETT
506	\$156,166	MICHIGAN DEPT OF EDUCATION	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	CHILD CARE STABILIZATION GRANT - EAST LANSING
507	\$77,775	INGHAM INTERMEDIATE SCHOOL DISTRICT	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	INGHAM GREAT START READINESS PROGRAM
508	\$24,998	ADMINISTRATION FOR CHILDREN & FAMILIES	Vallotton, Claire	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	ADMINISTRATIVE SUPPORT AND WELL-BEING OF INFANT, TODDLER, AND PRESCHOOL EDUCATORS
509	\$125,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Grossmann, Matthew	INST FOR PUBLIC POLICY SOCIAL RESEARCH	ASIAN AMERICAN AND PACIFIC ISLANDER-SPECIFIC BEHAVIORAL RISK FACTOR SURVEY
510	\$75,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Grossmann, Matthew	INST FOR PUBLIC POLICY SOCIAL RESEARCH	ASIAN AMERICAN AND PACIFIC ISLANDER-SPECIFIC BEHAVIORAL RISK FACTOR SURVEY
511	\$234,939	NATIONAL ENDOWMENT FOR THE HUMANITIES	Hawthorne III, Walter	MATRIX HUM ARTS LETTERS SOC SCI ONLINE	ENSLAVED.ORG SUMMER FACULTY INSTITUTE: DATA-INFORMED METHODS IN SLAVERY STUDIES
512	\$50,000	OFFICE OF NAVAL RESEARCH	Altmann, Erik	PSYCHOLOGY SOCIAL SCIENCE	EFFECTS OF SLEEP DEPRIVATION AND INDIVIDUAL DIFFERENCES ON PROCEDURAL PLACEKEEPING

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
513	\$177,773	NATIONAL SCIENCE FOUNDATION	Buchanan, Nicole	PSYCHOLOGY SOCIAL SCIENCE	COLLABORATIVE RESEARCH: ECR EIE DCL: EPISTEMIC EXCLUSION: SCHOLAR(LY) DEVALUATION AS A BARRIER TO INCLUSION AND EQUITY OF WOMEN AND FACULTY OF COLOR IN STEM
514	\$344,473	NATIONAL INST OF HEALTH	Burt, Alex	PSYCHOLOGY SOCIAL SCIENCE	MECHANISMS UNDERLYING RESILIENCE TO NEIGHBORHOOD DISADVANTAGE
515	\$13,900	UNIVERSITY OF BRITISH COLUMBIA	Chopik, William	PSYCHOLOGY SOCIAL SCIENCE	LIFE SATISFACTION AND PHYSICAL HEALTH: IDENTIFYING UNDERLYING MEDIATORS AND CHARACTERIZING KEY MODERATORS.
516	\$143,678	LEIDOS	Fenn, Kimberly	PSYCHOLOGY SOCIAL SCIENCE	DEVELOPMENT OF A LAB-BASED SONAR TASK AND PREDICTIVE MODEL OF SONAR PERFORMANCE UNDER CONDITIONS OF TIME ON TASK FATIGUE
517	\$230,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Gregory, Katie	PSYCHOLOGY SOCIAL SCIENCE	MIVAN CAPACITY BUILDING
518	\$239,400	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Gregory, Katie	PSYCHOLOGY SOCIAL SCIENCE	CRIME VICTIM ADMINISTRATIVE FEDERAL ASSISTANCE.
519	\$368,349	NATIONAL INST OF HEALTH	Liu, Taosheng	PSYCHOLOGY SOCIAL SCIENCE	REPRESENTATION OF ATTENTIONAL PRIORITY FOR VISUAL FEATURES IN THE HUMAN BRAIN
520	\$51,755	UNIVERSITY OF MICHIGAN	McAuley, J	PSYCHOLOGY SOCIAL SCIENCE	SPONTANEOUS SYNCHRONIZATION TO SPEECH AS A WINDOW INTO AUDITORY MOTOR INTEGRATION IN STUTTERING
521	\$431,941	COLUMBIA UNIV	Moser, Jason	PSYCHOLOGY SOCIAL SCIENCE	NEURALLY TARGETED GROUP INTERVENTION TO REDUCE EARLY CHILDHOOD ANXIETY
522	\$9,808	GLMA	Puckett, Jae	PSYCHOLOGY SOCIAL SCIENCE	ENHANCING CONTEMPORARY UNDERSTANDINGS OF GENDER MINORITY STRESS USING PARTICIPATORY METHODS
523	\$8,000	UNIVERSITY OF CALIFORNIA LOS ANGELES	Nevarez Martinez, Deyanira	SCHOOL OF PLANNING DES CONSTRUCTION CSS	WHAT THE NUMBERS MISS: REDEFINING LATINX HOMELESSNESS
524	\$24,000	CHARLES STEWART MOTT FOUNDATION	Santiago, Anna	SOCIAL SCIENCE DEAN	FLINT COMMUNITY INITIATIVE
525	\$1,749,771	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brock, Michele	SOCIAL WORK	KINSHIP SUPPORT PROGRAM
526	\$339,030	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brock, Michele	SOCIAL WORK	FOSTERING ACADEMICS, MENTORING EXCELLENCE (FAME)
527	\$27,579	UNIVERSITY OF WISCONSIN MILWAUKEE	Kennedy, Angie	SOCIAL WORK	USING THE LIFE HISTORY CALENDAR TO EXAMINE YOUNG TRANSGENDER WOMEN'S TRAJECTORIES OF VIOLENCE, MENTAL HEALTH, AND PROTECTIVE PROCESSES

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
528	\$878,283	US DEPT OF HOMELAND SECURITY	McCauley, Heather	SOCIAL WORK	DRAMA CLUB: SPARKING CREATIVE PROBLEM-SOLVING FOR VIOLENCE PREVENTION
529	\$99,995	CENTERS FOR DISEASE CONTROL & PREVENTION	McCauley, Heather	SOCIAL WORK	THE PUBLIC WILL CAMPAIGN: SHIFTING SOCIAL NORMS TO PREVENT CHILD SEXUAL ABUSE
ASC PROVOST FOR UNDERGRADUATE EDUCATION					
530	\$2,230,181	NATIONAL SCIENCE FOUNDATION	Libarkin, Julie	ASC PROVOST FOR UNDERGRADUATE EDUCATION	COLLABORATIVE RESEARCH: STEM EDUCATION POSTDOCTORAL RESEARCH FELLOWS IN PARTICIPATORY AND COMMUNITY-ENGAGED RESEARCH (STEM ED PACER)
531	\$785,168	US DEPT OF EDUCATION	Royal, Genyne	SUPPORTIVE SERVICES PROGRAM	MICHIGAN STATE UNIVERSITY STUDENT SUPPORT SERVICES
COLLEGE OF VETERINARY MEDICINE					
532	\$262,500	NATIONAL INST OF FOOD & AGRICULTURE	Abuelo Sebio, Angel	LARGE ANIMAL CLINICAL SCIENCES	STRENGTHENING DAIRY HEALTH THROUGH MULTIDISCIPLINARY DOCTORAL TRAINING OF VETERINARY SCIENTISTS
533	\$6,000	IOWA STATE UNIV	Carr, Elizabeth	LARGE ANIMAL CLINICAL SCIENCES	THE EFFECT OF ACUPUNCTURE ON POST-OPERATIVE ILEUS IN HORSES
534	\$86,462	NATIONAL INST OF HEALTH	Ewart, Susan	LARGE ANIMAL CLINICAL SCIENCES	MAKING IT REAL: AUTHENTIC SCENARIO-BASED TOOLS TO IMPROVE DEIA MENTORSHIP OF BIOMEDICAL TRAINEES
535	\$38,535	UNIVERSITY OF GEORGIA RESEARCH FOUNDATION INC	Mansfield, Linda	LARGE ANIMAL CLINICAL SCIENCES	CONTRIBUTION OF THE HUMAN GUT MICROBIOME TO THE DEVELOPMENT AND SEVERITY OF GUILLAIN-BARRÉ SYNDROME
536	\$5,864	MICHIGAN ANIMAL HEALTH FOUNDATION	Munsterman, Amelia	LARGE ANIMAL CLINICAL SCIENCES	EVALUATION OF THE EFFECT OF HANDWALKING ON EQUINE GASTROINTESTINAL MOTILITY
537	\$300,000	FOOD & DRUG ADMINISTRATION	Ruegg, Pamela	LARGE ANIMAL CLINICAL SCIENCES	COMBINING BENCHMARKING AND COMPETENCY-BASED TRAINING TO IMPLEMENT ANTIMICROBIAL STEWARDSHIP ON DAIRY FARMS
538	\$12,053	VINYL ACETATE COUNCIL	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	VINYL ACETATE: EVALUATION OF N2-ETHYL DG DNA ADDUCTS AND EPITHELIAL CELL PROLIFERATION IN NASAL AIRWAYS OF CRL:CD(SD) RATS REPEATEDLY EXPOSED TO VINYL ACETATE VAPORS
539	\$19,552	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	GENE-ENVIRONMENT INTERACTIONS WITH OZONE AND NON-ATOPIC ASTHMA
540	\$50,722	MORRIS ANIMAL FOUNDATION	Hussey, Gisela	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	DEVELOPMENT OF CANINE RESPIRATORY EPITHELIAL CULTURES FOR TESTING CANINE IFNL3 AS A TREATMENT FOR CANINE VIRAL RESPIRATORY DISEASE.

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
541	\$10,000	ASSOC OF AMER VETERINARY MEDICAL COLLEGES	Manfredi, Jane	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	EVALUATING INTERNATIONAL APPROACHES TO TEACHING CORE CONCEPTS IN VETERINARY RADIOLOGY POSITIONING
542	\$199,991	BRIGHT FOCUS FOUNDATION	Komaromy, Andras	SMALL ANIMAL CLINICAL SCIENCES	TARGETING EXERCISE FOR NEUROPROTECTION IN GLAUCOMA
543	\$99,894	BERNER GARDE FOUNDATION	Yuzbasiyan-Gurkan, Vilma	SMALL ANIMAL CLINICAL SCIENCES	TACKLING CANCER IN BERNESE MOUNTAIN DOGS: USING LIQUID BIOPSIES TO MAXIMIZE CHANCE OF TREATMENT SUCCESS
544	\$10,000	ASSOC OF AMER VETERINARY MEDICAL COLLEGES	Corner, Sarah	VETERINARY DIAGNOSTIC LABORATORY	INITIATION OF A GLOBAL COLLABORATIVE VETERINARY TELEMEDICINE PROGRAM TO ENHANCE VETERINARY EDUCATION AND DIAGNOSTICS
545	\$38,950	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Dodd, Kimberly	VETERINARY DIAGNOSTIC LABORATORY	BIOTERRORISM PREPAREDNESS - DIAGNOSTIC CTR FOR POPULATION AND ANIMAL HEALTH
546	\$36,832	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Dodd, Kimberly	VETERINARY DIAGNOSTIC LABORATORY	BIOTERRORISM PREPAREDNESS - DIAGNOSTIC CTR FOR POPULATION AND ANIMAL HEALTH
547	\$5,579	FOREIGN AGRICULTURAL SERVICE	Mani, Rinosh	VETERINARY DIAGNOSTIC LABORATORY	BFP21 MONGOLIA (TSENE-OCHIR) ASF/HPAI@MSU
FACILITY FOR RARE ISOTOPE BEAMS					
548	\$150,000	US DEPT OF ENERGY	Hergert, Heiko	FACILITY FOR RARE ISOTOPE BEAMS	ADVANCED AB INITIO METHODS FOR THE NUCLEAR MANY-BODY PROBLEM
549	\$450,000	UNIVERSITY OF CALIFORNIA BERKELEY	Liddick, Sean	FACILITY FOR RARE ISOTOPE BEAMS	NUCLEAR SCIENCE AND ENGINEERING CONSORTIUM FOR NONPROLIFERATION
550	\$66,133	LAWRENCE BERKELEY NATIONAL LABORATORY	Lidia, Steven	FACILITY FOR RARE ISOTOPE BEAMS	DELIVERING LASER-DRIVEN IONS TO STUDY ULTRA-HIGH DOSE RATE RADIOBIOLOGICAL EFFECTS
551	\$84,517	BROOKHAVEN SCIENCE ASSOC LLC	Morris, Dan	FACILITY FOR RARE ISOTOPE BEAMS	INTEGRATION TASKS REQUIRED FOR THE ELECTRON ION COLLIDER (EIC) AT BNL
552	\$240,000	US DEPT OF ENERGY	Nazarewicz, Witold	FACILITY FOR RARE ISOTOPE BEAMS	NUCLEAR COMPUTATIONAL LOW ENERGY INITIATIVE (NUCLEI)
553	\$64,449	FERMI NATIONAL ACCELERATOR LABORATORY	Ostroumov, Peter	FACILITY FOR RARE ISOTOPE BEAMS	FERMILAB ACCELERATOR PHD PROGRAM FOR KELLEN MCGEE
554	\$400,000	US DEPT OF ENERGY	Ostroumov, Peter	FACILITY FOR RARE ISOTOPE BEAMS	MSU TRAINEESHIP PROGRAM TO ADDRESS CRITICAL WORKFORCE NEEDS IN ACCELERATOR SCIENCE & ENGINEERING

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
555	\$359,000	US DEPT OF ENERGY	Saito, Kenji	FACILITY FOR RARE ISOTOPE BEAMS	DEVELOPMENT OF TRANSFORMATIVE PREPARATION METHODS TO PUSH UP HIGH Q&G PERFORMANCE OF FRIB SPARE HWR CRYOMODULE CAVITIES
556	\$190,000	US DEPT OF ENERGY	Schatz, Hendrik	FACILITY FOR RARE ISOTOPE BEAMS	CENTER FOR NUCLEAR ASTROPHYSICS ACROSS MESSENGERS (CENAM)
557	\$20,941	BROOKHAVEN NATIONAL LABORATORY	Severin, Gregory	FACILITY FOR RARE ISOTOPE BEAMS	LOCAL SUPPORT AT BROOKHAVEN NATIONAL LABORATORY FOR SAMRIDHI SATIJA
558	\$2,000,000	NATIONAL SCIENCE FOUNDATION	Spyrou, Artemisia	FACILITY FOR RARE ISOTOPE BEAMS	WINDOWS ON THE UNIVERSE: NUCLEAR ASTROPHYSICS AT FRIB
559	\$70,292	NATIONAL SCIENCE FOUNDATION	Spyrou, Artemisia	FACILITY FOR RARE ISOTOPE BEAMS	WINDOWS ON THE UNIVERSE: NUCLEAR ASTROPHYSICS AT THE NSCL
560	\$4,000,000	MISSILE DEFENSE AGENCY	Stolz, Andreas	FACILITY FOR RARE ISOTOPE BEAMS	SINGLE EVENT EFFECT TEST FACILITY UPGRADE
561	\$1,521,221	STANFORD LINEAR ACCELERATOR CENTER	Xu, Ting	FACILITY FOR RARE ISOTOPE BEAMS	PROPOSAL TO SUPPLY LCLS-II HE SRF GUN
562	\$13,911	LAWRENCE LIVERMORE NATIONAL LABORATORY	Zegers, Remco	FACILITY FOR RARE ISOTOPE BEAMS	ND2022 VIRTUAL MEETING
563	\$426,916	NATIONAL SCIENCE FOUNDATION	Gueye, Paul	NAT'L SUPERCONDUCTING CYCLOTRON LAB	WINDOWS ON THE UNIVERSE: STUDY OF OPEN QUANTUM SYSTEMS IN ATOMIC NUCLEI
564	\$265,000	US DEPT OF ENERGY	Liddick, Sean	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NEUTRON CAPTURE CROSS SECTION MEASUREMENTS ON SHORT-LIVED ISOTOPES
565	\$1,500,000	NATIONAL SCIENCE FOUNDATION	Minamisono, Kei	NAT'L SUPERCONDUCTING CYCLOTRON LAB	THE PRECISION FRONTIER AT FRIB: MASSES, RADII, MOMENTS, AND FUNDAMENTAL INTERACTIONS
566	\$20,252	LAWRENCE LIVERMORE NATIONAL LABORATORY	Nunes, Filomena	NAT'L SUPERCONDUCTING CYCLOTRON LAB	FRIB THEORY FELLOW AT LAWRENCE LIVERMORE NATIONAL LABORATORY - HEBBORN
567	\$110,000	US DEPT OF ENERGY	Singh, Jaideep	NAT'L SUPERCONDUCTING CYCLOTRON LAB	ELECTRIC FIELD & ATOMIC BEAM DEVELOPMENT FOR THE LASER TRAP RA-225 EDM EXPERIMENT
568	\$189,000	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
ENROLLMENT AND ACADEMIC STRAT PLANNING					

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
569	\$2,506,496	US DEPT OF EDUCATION	Shipman, Rick	FINANCIAL AID	FWS AWARDS
ASC PROV FOR UNIV OUTREACH ENGAGEMENT					
570	\$70,000	US DEPT OF EDUCATION	Shipman, Rick	CENTER FOR COMMUNITY ENGAGED LEARNING	FWS AR AWARDS
571	\$15,000	US DEPT OF EDUCATION	Shipman, Rick	CENTER FOR COMMUNITY ENGAGED LEARNING	FWS AC AWARDS
572	\$350,000	MICHIGAN DEPT OF EDUCATION	Wu, Jamie	COMMUNITY EVALUATION AND RSCH COLLABRTVE	GREAT STATE READINESS PROGRAM STATE EVALUATION: YEAR 6
573	\$17,000	CORP FOR NATIONAL & COMMUNITY SERVICE AMERICORPS	Barnes Najor, Jessica	OUTREACH AND ENGAGEMENT PARTNERSHIPS	MSU STATE OPIOID PROJECT
574	\$186,000	US ECONOMIC DEVELOPMENT ADMINISTRATION	Lamore, Rex	OUTREACH AND ENGAGEMENT PARTNERSHIPS	MSU EDA UNIVERSITY CENTER FOR REGIONAL ECONOMIC INNOVATION (REI)
575	\$287,537	US DEPT OF EDUCATION	Anthony, Stephanie	UPWARD BOUND	UPWARD BOUND
INTERNATIONAL STUDIES AND PROGRAMS					
576	\$335,493	US DEPT OF EDUCATION	Monson, Jamie	AFRICAN STUDIES CENTER	NATIONAL RESOURCE CENTERS PROGRAM
577	\$289,327	US DEPT OF EDUCATION	Chandra, Siddharth	ASIAN STUDIES CENTER	ASIAN STUDIES CENTER - TITLE VI NATIONAL RESOURCE CENTER 2022-2026
578	\$1,300,000	GERALD & KAREN KOLSCHOWSKY FOUNDATION	Glew, Robert	INTERNATIONAL STUDIES AND PROGRAMS DEAN	TANZANIA PARTNERSHIP PROGRAM M & E
579	\$146,282	US DEPT OF STATE	Qi, Jiaguo	INTERNATIONAL STUDIES AND PROGRAMS DEAN	HAINAN-MICHIGAN CAMPUS-COMMUNITY NEXUS FOR CLIMATE CHANGE: GLOBAL EXCHANGE TO ENHANCE INTERCULTURAL UNDERSTANDING (CCNCC)
580	\$433,172	FOREIGN AGRICULTURAL SERVICE	Wu, Xinyu	INTERNATIONAL STUDIES AND PROGRAMS DEAN	SEP22 WATER MANAGEMENT SOUTH ASIA @ MSU
581	\$225,619	US DEPT OF EDUCATION	Medina, Laurie	LATIN AMERICAN STUDIES CENTER	FOREIGN LANGUAGE AND AREA STUDIES FELLOWSHIP (FLAS) PROGRAM
582	\$270,660	US DEPT OF EDUCATION	Medina, Laurie	LATIN AMERICAN STUDIES CENTER	NATIONAL RESOURCE CENTERS (NRC) PROGRAM
583	\$7,344	FOREIGN AGRICULTURAL SERVICE	Maredia, Karimbhai	VISITING INTNL PROFESSIONAL PROGRAM	BORLAUG FELLOWSHIP PROGRAM - JORDAN - GENETICALLY ENGINEERED REGULATIONS - FELLOW #1

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
584	\$9,915	FOREIGN AGRICULTURAL SERVICE	Wu, Xinyu	VISITING INTNL PROFESSIONAL PROGRAM	BORLAUG FELLOWSHIP PROGRAM - PHILIPPINES - AFRICAN SWINE FEVER - FELLOW #1
MSU AGBIORESEARCH					
585	\$150,000	US GEOLOGICAL SURVEY	Infante, Dana	FISHERIES AND WILDLIFE MABR	AQUATIC GAP ANALYSIS PROGRAM: ENHANCING A NATIONAL VIEW OF CONSERVATION NEEDS OF FISHES AND THEIR HABITATS
586	\$200,000	STRATEGIC ENVIRONMENTAL RESEARCH & DEVELOPMENT PROGRAM	Murphy, Cheryl	FISHERIES AND WILDLIFE MABR	DEVELOPMENT OF AN EFFICIENT TESTING FRAMEWORK FOR INTERPRETING TOXICITY OF COMPLEX MIXTURES FOR ECOLOGICAL RISK ASSESSMENT
587	\$150,000	US AGENCY FOR INTL DEVELOPMENT	Douches, David	MSU AGBIORESEARCH DIR OFC	FEED THE FUTURE GLOBAL BIOTECH POTATO PARTNERSHIP
588	\$21,200	VARIOUS INDUSTRIES	Bales, Scott	PLANT SOIL AND MICROBIAL SCIENCES	BALES PSM TESTING
589	\$40,700	VARIOUS INDUSTRIES	Burns, Erin	PLANT SOIL AND MICROBIAL SCIENCES	BURNS PSM TESTING
590	\$172,000	VARIOUS INDUSTRIES	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	CHILVERS PSM TESTING
591	\$56,644	VARIOUS INDUSTRIES	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	DOUCHES PSM TESTING
592	\$95,500	VARIOUS INDUSTRIES	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	HAUSBECK PSM TESTING
593	\$10,000	USDA FOREST SERVICE	Miesel, Jessica	PLANT SOIL AND MICROBIAL SCIENCES	ECOSYSTEM RESILIENCE AND CLIMATE-ADAPTIVE FOREST MANAGEMENT STRATEGIES
594	\$15,000	MICHIGAN BLUEBERRY COMMISSION	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	SMALL FRUIT AND HOP PATHOLOGY PROGRAM FOR ANTHRACNOSE FRUIT ROT OF BLUEBERRIES
595	\$28,500	NATIONAL INST OF FOOD & AGRICULTURE	Patterson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	INTERNATIONAL WEED GENOMICS CONSORTIUM (IWGC) ANNUAL MEETING: LINKING GENOMICS TO IMPROVED MANAGEMENT
596	\$133,770	US GEOLOGICAL SURVEY	Asher, Jeremiah	WATER RESEARCH INSTITUTE MABR	IMPROVING ECOSYSTEM SERVICES AND WATER QUALITY THROUGH APPLIED RESEARCH AND TECHNOLOGY ADVANCEMENTS
597	\$36,091	KEWEENAW BAY OJIBWA COMMUNITY COLLEGE	Asher, Jeremiah	WATER RESEARCH INSTITUTE MABR	EXPANDING GROUNDWATER RESEARCH IN BARAGA COUNTY, MICHIGAN: ASSESSING AND REMEDIATING TOXIC METALS IN RESIDENTIAL WELLS
MICHIGAN STATE UNIVERSITY EXTENSION					

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
598	\$150,000	NATIONAL INST OF FOOD & AGRICULTURE	Milbrath, Meghan	ENTOMOLOGY MSUE	TAKING THE STING OUT OF HONEY BEE MEDICINE: TRAINING AND TOOLS FOR VETERINARIANS TO INCREASE ACCESS TO CARE FOR BEEKEEPERS.
599	\$183,840	NATIONAL INST OF FOOD & AGRICULTURE	Bates, Ronald	EXTENSION AGRICULTURE AND AGRIBUSINESS	ASSISTIVE TECHNOLOGY PROGRAM FOR FARMERS WITH DISABILITIES (AGRABILITY)
600	\$36,868	HOLSTEIN ASSOCIATION USA INC	Jaborek, Jerad	EXTENSION AGRICULTURE AND AGRIBUSINESS	EVALUATION OF FEEDLOT PERFORMANCE, CARCASS TRAITS, AND SENSORY CHARACTERISTICS OF SIMANGUS × HOLSTEIN STEERS AND HEIFERS, HOLSTEIN STEERS, AND SIMANGUS BEEF STEERS
601	\$29,500	VALENT BIOSCIENCES CORP	Lavelly, Emily	EXTENSION AGRICULTURE AND AGRIBUSINESS	CHEMICAL PEACH THINNING RESEARCH PROJECT
602	\$205,946	NATIONAL INST OF FOOD & AGRICULTURE	Lizotte, Erin	EXTENSION AGRICULTURE AND AGRIBUSINESS	INCREASING THE ADOPTION OF IPM PRACTICES IN MICHIGAN TO SUPPORT RESILIENT FARMS AND THRIVING COMMUNITIES IN AN EVER-CHANGING WORLD
603	\$36,198	MICHIGAN CHERRY COMMITTEE	Rothwell, Nikki	EXTENSION AGRICULTURE AND AGRIBUSINESS	VERIFYING THE PROTOTYPE RISK MODEL FOR SPOTTED WING DROSOPHILA (SWD) IN MICHIGAN TART CHERRY
604	\$500,000	US ENVIRONMENTAL PROTECTION AGENCY	Smith, Thomas	EXTENSION AGRICULTURE AND AGRIBUSINESS	ENGAGING ALL STAKEHOLDERS: MEETING THE INCREASING NEEDS OF PESTICIDE APPLICATOR CERTIFICATION AND WORKER PROTECTION THROUGH INCREASED COLLABORATION AND DIVERSITY OF PARTNERS AND STAKEHOLDERS, WITH EXP
605	\$12,989	IOWA STATE UNIV	Tocco, Phillip	EXTENSION AGRICULTURE AND AGRIBUSINESS	ENSURING FOOD SAFETY COMPETENCY OF PRODUCE GROWERS & PROCESSORS IN THE NORTH CENTRAL REGION THRU EXPANDED COLLABORATION & ENGAGEMENT & DIVERSIFIED & UNDERSERVED POPULATIONS, EDUCATION, TRAINING & TECH
606	\$185,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Tocco, Phillip	EXTENSION AGRICULTURE AND AGRIBUSINESS	FSMA PRODUCE SAFETY RULE EDUCATION
607	\$47,000	VALENT USA CORP	Wallis, Anna	EXTENSION AGRICULTURE AND AGRIBUSINESS	TREE FRUIT RESEARCH & EXTENSION GIFT
608	\$26,715	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
609	\$26,222	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
610	\$57,429	MICHIGAN 4H FOUNDATION	Schulz, Jodi	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
611	\$25,484	NATIONAL 4H COUNCIL	Wibby, Brian	EXTENSION CHILDREN AND YOUTH	NATIONAL 4-H COUNCIL NATIONAL MENTORING PROGRAM TRAINING AND TECHNICAL ASSISTANCE PROVIDER
612	\$58,747	TEXAS A&M UNIV	Carpenter, Craig	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	EXPLAINING CHANGES IN RACIAL IDENTIFICATION ACROSS TIME AND PLACE
613	\$12,000	USDA FOREST SERVICE	Cuthrell, David	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MODIFICATION 2 TO PD 33335/RC108810: SURVEY, INVENTORY, AND MONITOR PLANTS, ANIMALS, AND ECOSYSTEMS ON THE HIAWATHA NATIONAL FOREST 2018-2023
614	\$271,260	NATIONAL INST OF FOOD & AGRICULTURE	Dedecker, James	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	THE MIDWESTERN HEMP RESEARCH COLLABORATIVE: PARTICIPATORY RESEARCH AND EXTENSION TO GROW A SUSTAINABLE HEMP INDUSTRY
615	\$131,833	THE GIVING GROVE	Edwards, Naim	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	LITTLE ORCHARDS, BIG IMPACT: GROWING AN URBAN ORCHARDING NETWORK IN DETROIT
616	\$55,781	NATIONAL INST OF FOOD & AGRICULTURE	Gunn, Joshua	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	COMMUNITY CAPACITY BUILDING FOR EMERGENCY PLANNING
617	\$9,875	ARENAC CONSERVATION DISTRICT	Higman, Phyllis	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	REINFORCING AND EXPANDING THE BENEFITS OF GLRI-FUNDED PHRAGMITES TREATMENT IN THE SAGINAW BAY WATERSHED
618	\$19,952	IOWA STATE UNIV	Jescovitch, Lauren	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	DEVELOPMENT OF CONSUMER EDUCATIONAL MATERIALS ON SEAFOOD AND AQUACULTURE
619	\$18,753	VARIOUS INDUSTRIES	Miller, Steven	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	CEA FEE-FOR-SERVICE
620	\$48,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Northrop, Carey	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	FIRST IMPRESSIONS: TOURISM ASSESSMENT PROGRAMS TO CERTIFIED REDEVELOPMENT READY COMMUNITIES
621	\$30,150	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	Ortquist, Jinnifer	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MIHAF GRANT AGREEMENT
622	\$35,000	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	Ortquist, Jinnifer	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	2022-2023 HOUSING EDUCATION PROGRAM (HEP)
623	\$11,998	USDA FOREST SERVICE	Rowe, Logan	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	INSECT AGREEMENT WITH OTTAWA NATIONAL FOREST

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
624	\$413,508	UNIVERSITY OF MICHIGAN	Triezenberg, Heather	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MICHIGAN SEA GRANT OMNIBUS FY 2022-2023
625	\$86,530	ALLEN FOUNDATION	Earnesty, Dawn	EXTENSION HEALTH AND NUTRITION	GROWING HEALTHY EATERS: STRENGTHENING LOCAL FRUIT AND VEGETABLE ACCESS
626	\$147,727	UNIVERSITY OF ILLINOIS	Eschbach, Cheryl	EXTENSION HEALTH AND NUTRITION	NORTH CENTRAL FARM AND RANCH STRESS ASSISTANCE CENTER: ENGAGING PROGRAMS
627	\$225,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Eschbach, Cheryl	EXTENSION HEALTH AND NUTRITION	SUPPORTING MICHIGAN'S FARMERS
628	\$3,500,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Eschbach, Cheryl	EXTENSION HEALTH AND NUTRITION	COVID HEALTH AMBASSADOR
629	\$73,265	BOWLING GREEN STATE UNIVERSITY	Triezenberg, Heather	FISHERIES AND WILDLIFE MSUE	COHH3 - REVISION
630	\$94,890	MICHIGAN DEPT OF NATURAL RESOURCES	Lee, Yu Man	NATURAL FEATURES INVENTORY MSUE	MNFI 2022 - TITLE 24 - STATUS ASSESSMENT AND ECOLOGY OF SPOTTED AND BLANDING'S TURTLES IN OHIO AND MICHIGAN
631	\$48,000	MICHIGAN SUGARBEET ADVANCEMENT	Bublitz, Daniel	PLANT SOIL AND MICROBIAL SCIENCES	SALARY AND FRINGE FOR RG072614 BUBL
632	\$119,014	MICHIGAN FITNESS FOUNDATION	Kotval-Karamchandani, Zeenat	SCHL OF PLANNING,DESIGN&CNST-MSUE	SAFE ROUTES TO SCHOOL: 2023
RESEARCH AND INNOVATION					
633	\$15,000	SEAGULL SCIENTIFIC	Hatfield, John	AXIA INSTITUTE	AXIA MEMBERSHIPS
634	\$30,000	TRINITY HEALTH	Hatfield, John	AXIA INSTITUTE	AXIA MEMBERSHIPS
635	\$268,565	COMMUNITY FOUNDATION HOLLAND ZEELAND AREA	Guarr, Thomas	BIOECONOMY INSTITUTE	SUPPORT FOR BIOECONOMY INSTITUTE R&D DIRECTOR
636	\$6,293	COMMUNITY FOUNDATION HOLLAND ZEELAND AREA	Guarr, Thomas	BIOECONOMY INSTITUTE	SUPPORT FOR BIOECONOMY INSTITUTE R&D DIRECTOR
637	\$7,250,375	UNIVERSITY OF WISCONSIN MADISON	Landis, Douglas	GREAT LAKES BIOENERGY RESEARC CTR VPRGS	GREAT LAKES BIOENERGY RESEARCH CENTER

Gift, Grant and Contract Report
Board of Trustees
December 2022

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
638	\$2,131,730	NATIONAL INST OF HEALTH	Kaminski, Norbert	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	ENVIRONMENTAL, MICROBIAL AND MAMMALIAN BIOMOLECULAR RESPONSES TO AHR LIGANDS
639	\$300,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Affholter, Joe	MSU INNOVATION CENTER	MSU ADVANCE GRANT PROGRAM, RFP-CASE-317360
640	\$1,954,702	VARIOUS INDUSTRIES	Hasemann, Charles	MSU INNOVATION CENTER	FEE FOR SERVICE - INDUSTRY
641	\$1,452,500	MICHIGAN STATE UNIV FOUNDATION	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY COMMERCIALIZATION - MSUT (RG100310)
642	\$47,767	UNIVERSITY OF MICHIGAN	Hasemann, Charles	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY TRANSFER TALENT NETWORK - 9
643	\$31,250	UNIVERSITY OF MICHIGAN	Hasemann, Charles	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY TRANSFER TALENT NETWORK - 9
VICE PRES FOR STUDENT AFFAIRS SERVICES					
644	\$50,000	US DEPT OF EDUCATION	Shipman, Rick	CAREER SERVICES AND PLACEMENT	FWS JL AWARDS
645	\$430,767	MICHIGAN COLLEGE ACCESS NETWORK	Williams, Anthony	DEAN OF STUDENTS	MCAN (MICHIGAN COLLEGE ACCESS NETWORK) 2022-23
GRADUATE SCHOOL DEAN					
646	\$1,335,433	NATIONAL SCIENCE FOUNDATION	Dagbovie, Pero	GRADUATE SCHOOL DEAN	GRADUATE RESEARCH FELLOWSHIP PROGRAM (GRFP)
UNIVERSITY ADVANCEMENT					
647	\$22,186,349	VARIOUS DONORS - ADVANCEMENT	Tobin, Kim	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR THE PERIOD 07/01/2022 TO 09/30/2022
INFRASTRUCTURE PLANNING AND FACILITIES					
648	\$70,000	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	LeFevre, John	IPF PLANNING DESIGN AND CONSTRUCTION	CHARGE UP MICHIGAN - CATA MULTIMODAL CHARGING STATIONS
FINANCE					
649	\$6,657,490	VARIOUS GRANTORS	Pedawi, Evonne	SPONSORED PROGRAMS ADMIN CGA POSTAWARD	FEE FOR SERVICE - OTHER
DIVISION OF STUDENT LIFE AND ENGAGEMENT					

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
650	\$417,284	COLLEGE ADVISING CORPS	Williams, Anthony	CAREER SERVICES NETWORK	NATIONAL COLLEGE ADVISING CORP (CAC) FY23
GENERAL UNIVERSITY ITEMS					
651	\$1,728,687	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Fedewa, Tana	CENTER FOR SURVIVORS	FY 2023 SASRV-2023 – SEXUAL ASSAULT VICTIM SERVICES
652	\$251,254	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rosen, Holly	DOMESTIC SHELTER	DOMESTIC VIOLENCE PROGRAMMING – 2023
653	\$8,055	CITY OF EAST LANSING	Rosen, Holly	DOMESTIC SHELTER	SHELTER AND SUPPORT SERVICES FOR SURVIVORS OF DOMESTIC VIOLENCE AND STALKING
MICHIGAN STATE UNIVERSITY COLLEGE OF LAW					
654	\$20,000	PROTEUS FUND, INC.	Simard, Justin	COLLEGE OF LAW DEAN	CITING SLAVERY PROJECT
MSU UNIVERSITY RESEARCH ORGANIZATION					
655	\$450,000	RADIABEAM TECHNOLOGIES INC	Berz, Martin	UNIVERSITY RESEARCH ORGANIZATION	COMPACT, PORTABLE RACETRACK CYCLOTRON FOR HEAVY-ION RADIATION TESTING OF ELECTRONICS
656	\$236,081	STATE OF IOWA DEPT OF TRANSPORTATION	Cetin, Bora	UNIVERSITY RESEARCH ORGANIZATION	BASE STABILIZATION OF IOWA GRANULAR ROADS USING RECYCLED PLASTICS
657	\$140,868	AXALUME INC	Han, Ming	UNIVERSITY RESEARCH ORGANIZATION	ISSET LASERS FOR MONITORING FIBER SENSORS
658	\$20,000	LOCKHEED MARTIN CORP	Nanzer, Jeffrey	UNIVERSITY RESEARCH ORGANIZATION	FREQUENCY SYNCHRONIZATION FOR DISTRIBUTED WIRELESS SYSTEMS IN NON-COOPERATIVE ENVIRONMENTS
659	\$115,000	MID MICHIGAN RESEARCH LLC	Zhu, Guoming	UNIVERSITY RESEARCH ORGANIZATION	TESTING OF A PROTOTYPE IV JETFIRE ENGINE
UNIVERSITY ARTS AND COLLECTIONS					
660	\$92,129	INST OF MUSEUM & LIBRARY SERVICES	Abraczinskas, Laura	MUSEUM	SUPPORT FOR REHOUSING MICHIGAN STATE UNIVERSITY MUSEUM VERTEBRATE COLLECTIONS
661	\$24,000	MICHIGAN ARTS & CULTURE COUNCIL	Akmon, Devon	MUSEUM	AMERICAN RELIGIOUS SOUNDS EXHIBITION AT MSU MUSEUM
VARIOUS					
662	\$173,924	VARIOUS	Various	Various	73 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	\$210,604,124	Total December 2022 Board			

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
December 16, 2022

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	KLS Cube, K Laser & Cube Plus	Kenneth Zisholz Mio-Guard, LLC	Intercollegiate Athletics/ Spartan Fund	\$36,000.00	Medical equipment for athletes
2	Hosted the Men's Golf team trip	John Gorman	Intercollegiate Athletics/ Spartan Fund	\$33,282.60	Hosted trip
3	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$18,737.75	Supporting MSU football
4	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$16,947.43	Recruiting trip for MSU basketball
5	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$16,313.36	Recruiting trip for MSU basketball
6	Shipping boxes	Packaging Corporation of America	Intercollegiate Athletics/ Spartan Fund	\$14,315.50	Shipping boxes for tickets & gear sent to MSU donors.
7	Advertising TV commercials for the Eli & Edythe Broad Art Museum	WLNS TV-6	Eli & Edythe Broad Art Museum	\$7,044.00	Advertising to drive ticket sales for event.
8	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$7,004.91	Recruiting trip for MSU basketball
9	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$6,822.88	Recruiting trip for MSU basketball
10	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$5,918.13	Recruiting trip for MSU basketball

11-49	Various	Various	Various	\$25,962.22	<p>39 Consolidated non-cash gifts for individual values less than \$5,000</p> <p>Specific details regarding transactions retained within University Advancement.</p> <p>Summary details on file in the Contract & Grant Administration office, Hannah Administration Bldg. 426 Auditorium Road, Room 2, East Lansing, MI 48824.</p>
			TOTAL	\$188,348.78	