



MICHIGAN STATE UNIVERSITY  
**BOARD OF TRUSTEES**  
Executive Action Summary

Gift, Grant and Contract Report

**From:** Gift, Grant and Contract Report

**Date** September 6, 2024

**Agenda Item:** Gift, Grant and Contract Report

**Information**

**Discussion**

**Action**


**Resolution:**

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

**Recommendation:**

That the Board of Trustees approve the attached Gift, Grant and Contract Report for the period of May 30, 2024 through August 7, 2024.

**Prior Action by BOT:** Not applicable.

**Responsible Officers:** Douglas A. Gage, Vice President for Research and Innovation 

**Summary:** See recommendation above.

**Background Information:**

FY 2024-25 TOTALS:

- a) Gifts, Grants and Contracts only: \$189,872,523
  - b) Gifts, Grants and Contracts plus Consignments: \$190,125,329
- (Consignments are Non-Cash Gifts and Non-Cash Loans)

**Source of Funds:** Various sponsors including Federal Government, State of Michigan, Foundation, Association, Industry, Individual Donors/Advancement, and Others as listed in the attachment.

**Resource Impact:** The report is a compilation of 592 Gifts, Grants and Contracts plus 10 Consignment/Non-Cash Gifts, with a total value of \$190,125,329.

## Current Period / Year to Date

### Gift & Grant Awards

Meeting Date: 09/06/2024

Current Period: May 30, 2024 - Aug 7, 2024

#### AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$132,424,121	\$132,424,121	89.4%
State of Michigan	\$5,580,017	\$5,580,017	3.8%
Other	\$3,710,724	\$3,710,724	2.5%
Industry/CO	\$2,072,709	\$2,072,709	1.4%
Foundation	\$3,823,466	\$3,823,466	2.6%
Association	\$533,774	\$533,774	0.4%
<b>Research - Total</b>	<b>\$148,144,812</b>	<b>\$148,144,812</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$10,237,693	\$10,237,693	24.5%
State of Michigan	\$992,996	\$992,996	2.4%
Other	\$653,803	\$653,803	1.6%
Industry/CO	\$212,000	\$212,000	0.5%
Foundation	\$1,487,014	\$1,487,014	3.6%
Association	\$11,142	\$11,142	0.0%
Various Donors - Advancement*	\$28,133,064	\$28,133,064	67.4%
<b>Non-Research - Total</b>	<b>\$41,727,712</b>	<b>\$41,727,712</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$142,661,814	\$142,661,814	75.1%
State of Michigan	\$6,573,012	\$6,573,012	3.5%
Other	\$4,364,527	\$4,364,527	2.3%
Industry/CO	\$2,284,709	\$2,284,709	1.2%
Foundation	\$5,310,480	\$5,310,480	2.8%
Association	\$544,916	\$544,916	0.3%
Various Donors - Advancement*	\$28,133,064	\$28,133,064	14.8%
<b>TOTAL</b>	<b>\$189,872,523</b>	<b>\$189,872,523</b>	<b>100%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	309	309	62.2%
State of Michigan	18	18	3.6%
Other	44	44	8.9%
Industry/CO	95	95	19.1%
Foundation	18	18	3.6%
Association	13	13	2.6%
<b>Research - Total</b>	<b>497</b>	<b>497</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	44	44	46.3%
State of Michigan	8	8	8.4%
Other	16	16	16.8%
Industry/CO	3	3	3.2%
Foundation	22	22	23.2%
Association	1	1	1.1%
Various Donors - Advancement*	1	1	1.1%
<b>Non-Research - Total</b>	<b>95</b>	<b>95</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	353	353	59.6%
State of Michigan	26	26	4.4%
Other	60	60	10.1%
Industry/CO	98	98	16.6%
Foundation	40	40	6.8%
Association	14	14	2.4%
Various Donors - Advancement*	1	1	0.2%
<b>TOTAL</b>	<b>592</b>	<b>592</b>	<b>100%</b>

\* This is philanthropic cash received.

## Current Year / Previous Year

### Gift & Grant Awards

Meeting Date: 09/06/2024

Current Period: May 30, 2024 - Aug 7, 2024

#### AWARD TOTALS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$94,424,045	\$132,424,121	40.2%
State of Michigan	\$1,341,560	\$5,580,017	315.9%
Other	\$4,230,851	\$3,710,724	-12.3%
Industry/CO	\$1,912,208	\$2,072,709	8.4%
Foundation	\$4,383,641	\$3,823,466	-12.8%
Association	\$763,498	\$533,774	-30.1%
<b>Research - Total</b>	<b>\$107,055,802</b>	<b>\$148,144,812</b>	<b>38.4%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$37,970,257	\$10,237,693	-73.0%
State of Michigan	\$1,918,361	\$992,996	-48.2%
Other	\$599,651	\$653,803	9.0%
Industry/CO	\$1,902,575	\$212,000	-88.9%
Foundation	\$1,248,294	\$1,487,014	19.1%
Association	\$16,000	\$11,142	-30.4%
Various Donors - Advancement*	\$32,019,529	\$28,133,064	-12.1%
<b>Non-Research - Total</b>	<b>\$75,674,667</b>	<b>\$41,727,712</b>	<b>-44.9%</b>
Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change
Federal Government	\$132,394,302	\$142,661,814	7.8%
State of Michigan	\$3,259,921	\$6,573,012	101.6%
Other	\$4,830,502	\$4,364,527	-9.6%
Industry/CO	\$3,814,782	\$2,284,709	-40.1%
Foundation	\$5,631,935	\$5,310,480	-5.7%
Association	\$779,498	\$544,916	-30.1%
Various Donors - Advancement*	\$32,019,529	\$28,133,064	-12.1%
<b>TOTAL</b>	<b>\$182,730,469</b>	<b>\$189,872,523</b>	<b>3.9%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	300	309	3.0%
State of Michigan	10	18	80.0%
Other	60	44	-26.7%
Industry/CO	51	95	86.3%
Foundation	25	18	-28.0%
Association	8	13	62.5%
<b>Research - Total</b>	<b>454</b>	<b>497</b>	<b>9.5%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	63	44	-30.2%
State of Michigan	9	8	-11.1%
Other	14	16	14.3%
Industry/CO	6	3	-50.0%
Foundation	12	22	83.3%
Association	1	1	0.0%
Various Donors - Advancement*	1	1	0.0%
<b>Non-Research - Total</b>	<b>106</b>	<b>95</b>	<b>-10.4%</b>
Total			
Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	363	353	-2.8%
State of Michigan	19	26	36.8%
Other	74	60	-18.9%
Industry/CO	57	98	71.9%
Foundation	37	40	8.1%
Association	9	14	55.6%
Various Donors - Advancement*	1	1	0.0%
<b>TOTAL</b>	<b>560</b>	<b>592</b>	<b>5.7%</b>

\* This is philanthropic cash received.

# Henry Ford Health + MSU Health Sciences: Current Period / Year to Date

## Gift & Grant Awards

Meeting Date: 09/06/2024

Current Period: May 30, 2024 - Aug 7, 2024

NOTE: This supplemental report (pages 4-6) shows HFH + MSU HS awards that also appear in the full University Board of Trustees summary on pages 2-3, Top 10 on page 8, and Gift, Grant and Contract Report on pages 9-48. These NIH projects were proposed and awarded through HFH+MSU HS (which is associated with CHM/COM/Nursing colleges).

### AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$8,953,013	\$8,953,013	100%
<b>Research - Total</b>	<b>\$8,953,013</b>	<b>\$8,953,013</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government			
<b>Non-Research - Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$8,953,013	\$8,953,013	100%
<b>TOTAL</b>	<b>\$8,953,013</b>	<b>\$8,953,013</b>	<b>100%</b>

### # OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	14	14	100%
<b>Research - Total</b>	<b>14</b>	<b>14</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government			
<b>Non-Research - Total</b>	<b>0</b>	<b>0</b>	<b>0%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	14	14	100%
<b>TOTAL</b>	<b>14</b>	<b>14</b>	<b>100%</b>

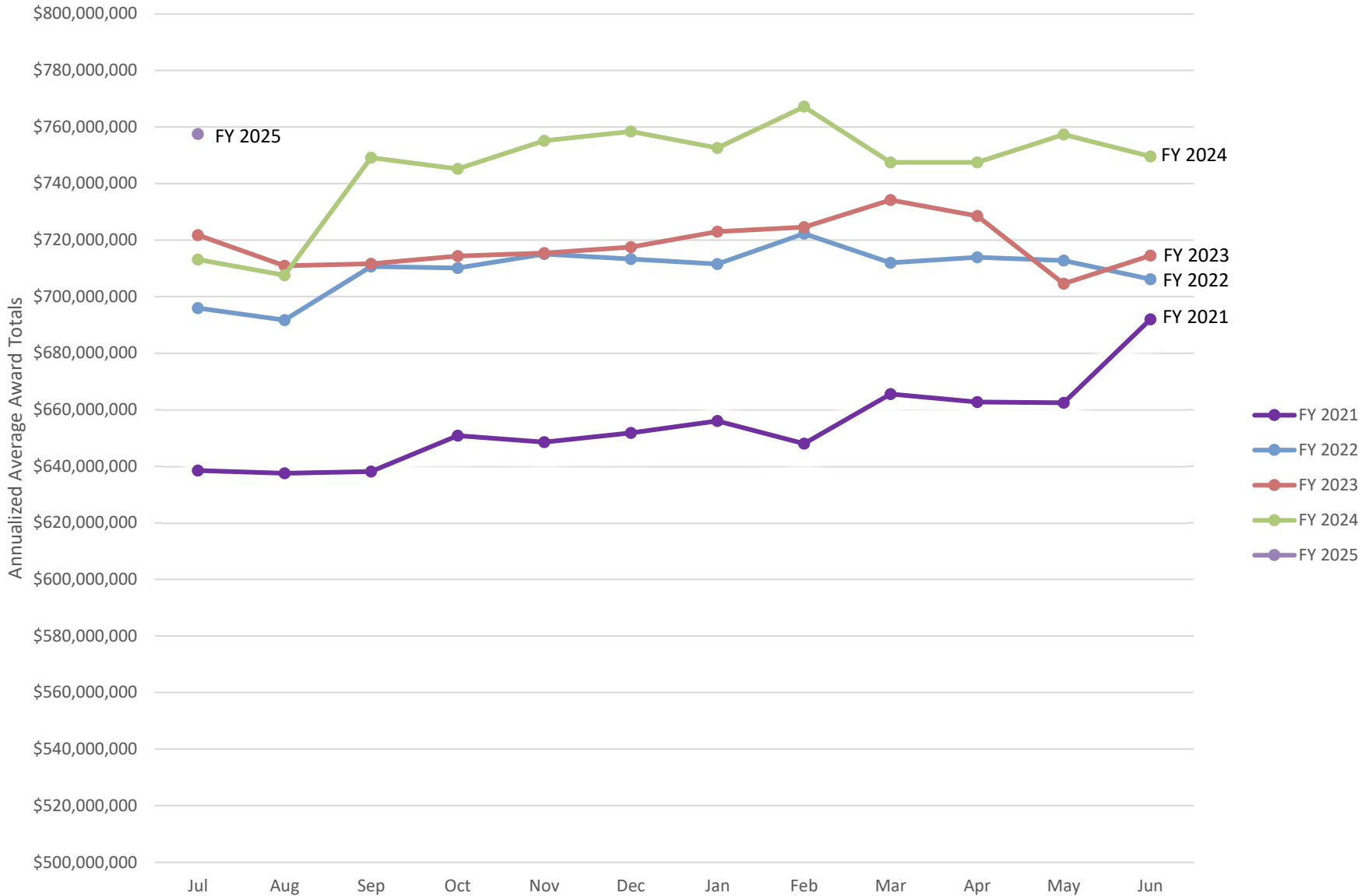
**Henry Ford Health + MSU Health Sciences  
Board of Trustees  
September 2024**

	Amount	Sponsor	Principal Investigator / Director	Unit	Project Title
	<b>COLLEGE OF HUMAN MEDICINE</b>				
1	\$4,091,115	NATIONAL INST OF HEALTH	Kerver, Jean	EPIDEMIOLOGY AND BIOSTATISTICS	PRENATAL EXPOSURES AND CHILD HEALTH OUTCOMES 2: INCREASING ECHO URBAN AND RURAL DIVERSITY
2	\$952,368	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Collier, Kathy	TRANSLATIONAL NEUROSCIENCE	GENETIC SILENCING OF STRIATAL CAV1.3 CALCIUM CHANNELS AS A POTENT ANTIDYSKINETIC THERAPY FOR PD
3	\$680,304	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	Woolford, Amber	CS MOTT DEPARTMENT OF PUBLIC HEALTH	ILLUMINATING THE ROLE OF HISTORICAL STRUCTURAL RACISM IN THE NEIGHBORHOOD EXPOSOME AND MODERN-DAY CHILD MENTAL HEALTH
4	\$630,684	NATIONAL CANCER INST	Crawford, Howard	PHARMACOLOGY TOXICOLOGY	COLLAGEN SIGNALING IN PANCREATIC CANCER
5	\$599,140	NATIONAL INST OF HEALTH	Baptist, Alan	MEDICINE	ASTHMA AND TECHNOLOGY IN EMERGING AFRICAN AMERICAN ADULTS (THE ATHENA PROJECT)
6	\$574,233	NATIONAL INST OF HEALTH	Alshaarawy, Omayma	FAMILY MEDICINE, DEPARTMENT OF	CANNABIS USE AND CARDIOVASCULAR HEALTH OUTCOMES AMONG PATIENTS WITH HIGH BLOOD PRESSURE
7	\$452,185	NATIONAL HEART LUNG & BLOOD INST	Hong, Charles	MEDICINE	MECHANISTIC INSIGHTS INTO THE ROLE OF MICROTUBULE ORGANIZING CENTERS ON CARDIOMYOCYTE STRUCTURE AND FUNCTION
8	\$431,168	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Xiong, Ye	PHYSIOLOGY HUMAN MEDICINE	ACSDKP AS A NOVEL TREATMENT FOR TRAUMATIC BRAIN INJURY
9	\$145,142	NATIONAL INST OF MENTAL HEALTH	Reffi, Anthony	PSYCHIATRY HUMAN MEDICINE	IDENTIFYING SLEEP-RELATED RISK FACTORS FOR PTSD AND THEIR UNDERLYING MECHANISMS
10	\$120,795	NATIONAL INST OF HEALTH	Kerver, Jean	EPIDEMIOLOGY AND BIOSTATISTICS	SUPPLEMENTAL FUNDING TO RC115711
11	\$76,813	NATIONAL INST OF HEALTH	Lockhart, Elizabeth	EPIDEMIOLOGY AND BIOSTATISTICS	A MULTILEVEL, MULTIPHASE OPTIMIZATION STRATEGY FOR PREP: PATIENTS AND PROVIDERS IN PRIMARY CARE
12	\$23,760	VANDERBILT UNIV	Hong, Charles	MEDICINE	MECHANISM OF WNT SIGNAL TRANSDUCTION

**Henry Ford Health + MSU Health Sciences  
Board of Trustees  
September 2024**

	Amount	Sponsor	Principal Investigator / Director	Unit	Project Title
13	\$4,050	UNIVERSITY OF ALABAMA AT BIRMINGHAM	Reeves, Mathew	EPIDEMIOLOGY AND BIOSTATISTICS	ADVANCING THE STUDY OF STROKE IN WOMEN THROUGH THE INTEGRATION OF BASIC, CLINICAL, AND SOCIOECONOMIC PERSPECTIVES
<b>COLLEGE OF NURSING</b>					
14	\$171,256	NATIONAL INST OF NURSING RESEARCH	Chen, Angela Chia-Chen	NURSING	PILOT TESTING OF A GAME-BASED INTERVENTION TO PROMOTE HPV VACCINATION IN FAMILIES WITH UNVACCINATED CHILDREN

## Michigan State University 3 Year Annualized Average Awards



Source: MSU Sponsored Programs Award Data

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

## Top 10 Awards for the September 6, 2024 BOT Meeting

Rank	Sponsor Type	Award Amount	Principal Investigator	Sponsor	Department	New or Modification	Award Activity Type	Project Dates	Project Title
1	Federal Government	\$52,816,000	Thomas Glasmacher	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	01/15/2023 01/14/2028	Operation of the Facility for Rare Isotope Beams as Scientific User Facility
2	Federal Government	\$4,827,197	Mona Hanna	Centers for Disease Control & Prevention	CS MOTT DEPARTMENT OF PUBLIC HEALTH	Modification	Public Service	08/01/2022 07/31/2027	Flint Registry (FR) 2022-2027
3	Federal Government	\$4,091,115	Jean Kerver	National Inst of Health	EPIDEMIOLOGY AND BIOSTATISTICS	Modification	Research	09/01/2023 05/31/2025	Prenatal Exposures and Child Health Outcomes 2: Increasing ECHO Urban and Rural Diversity
4	State of Michigan	\$3,000,000	James Averill	Michigan Dept of Agriculture & Rural Development	ABR DIRECTORS OFFICE	New	Research	06/01/2024 06/30/2027	Michigan Alliance for Animal Agriculture - 2024
5	Federal Government	\$2,127,924	Thomas Glasmacher	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	09/22/2023 11/28/2030	High Rigidity Spectrometer Project
6	Federal Government	\$2,064,068	Norbert Kaminski	National Inst of Health	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	Modification	Research	08/30/2022 06/30/2027	Environmental, Microbial and Mammalian Biomolecular Responses to Ahr Ligands
7	Federal Government	\$1,470,000	Peter Ostroumov	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	09/25/2017 07/31/2028	MSU Traineeship Program to Address Critical Workforce Needs in Accelerator Science & Engineering
8	Foundation	\$1,452,500	Douglas Gage	Michigan State Univ Foundation	OFFICE OF RESEARCH AND INNOVATION	Modification	Research	07/01/2013 12/31/2030	Technology Commercialization - MSUT (RG100310)
9	Federal Government	\$1,425,435	Cheryl Kerfeld	US Dept of Energy	PLANT RESEARCH LABORATORY NAT SCIENCE	Modification	Research	08/01/2022 07/31/2025	The Center for Catalysis in Biomimetic Confinement (CCBC)
10	Federal Government	\$1,228,171	Jennifer Johnson	National Inst of Mental Health	CS MOTT DEPARTMENT OF PUBLIC HEALTH	Modification	Research	09/01/2022 06/30/2027	The ROSE Scale-Up Study: Informing a decision about ROSE as universal postpartum depression prevention
	<b>TOTAL</b>	<b>\$74,502,410</b>							



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
<b>COLLEGE OF AGRICULTURE AND NAT RESOURCES</b>					
1	\$649,962	NATIONAL INST OF FOOD & AGRICULTURE	Horan, Rick	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	MANAGING JOINTLY DETERMINED AGRI-ENVIRONMENTAL AND PRODUCTION RISKS: AN APPLICATION TO AGRICULTURAL NONPOINT POLLUTION WITH CLIMATE CHANGE
2	\$800,000	RIMISP CENTRO LATINOAMERO PARA EL DESARROLLO RURAL	Liverpool-Tasie, Lenis	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	RIMISP-CENTRO LATINOAMERICANO PARA EL DESARROLLO RURAL
3	\$120,375	AJINOMOTO CO INC	Bradford, Barry	ANIMAL SCIENCE DEPARTMENT ANR	PREDICTING AND MONITORING TRANSITION COW INFLAMMATION
4	\$146,011	NATIONAL INST OF HEALTH	Cibelli, Jose	ANIMAL SCIENCE DEPARTMENT ANR	ESTABLISHING AN INTEGRATED PLATFORM FOR DIPLOID GERMPLOSM CONSERVATION IN ZEBRAFISH (DANIO RERIO)
5	\$245,413	UNIVERSITY OF ILLINOIS CHICAGO	Hoffmann, Hanne	ANIMAL SCIENCE DEPARTMENT ANR	CHEMICAL EXPOSURE DISRUPTION OF THE PLACENTAL CIRCADIAN CLOCK
6	\$18,654	DAIRY AUSTRALIA LIMITED	Lock, Adam	ANIMAL SCIENCE DEPARTMENT ANR	RESEARCH GIFT
7	\$98,387	UNIVERSITY OF WISCONSIN	Vandehaar, Michael	ANIMAL SCIENCE DEPARTMENT ANR	INTEGRATING GENOMIC, NUTRITIONAL, AND MICROBIAL STRATEGIES TO MITIGATE ENTERIC METHANE EMISSIONS FROM DAIRY CATTLE
8	\$129,205	NATIONAL INST OF HEALTH	Yaw, Alexandra	ANIMAL SCIENCE DEPARTMENT ANR	NOVEL DIURNAL MODEL FOR IN VITRO FERTILIZATION STUDIES
9	\$116,587	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Das, Narendra	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	VALIDATION OF NISAR MISSION HIGH-RESOLUTION (200 M) SOIL MOISTURE PRODUCT USING FIELD MEASUREMENTS OVER AN AGRICULTURAL REGION
10	\$231,700	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Dong, Younsuk	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	IMPROVING DISEASE MANAGEMENT IN CARROT AND ASPARAGUS PRODUCTION THROUGH CLIMATE-SMART TECHNOLOGY
11	\$14,953	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Dong, Younsuk	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	IMPROVING IRRIGATION MANAGEMENT IN CHRISTMAS TREE PRODUCTION UTILIZING IOT-BASED SENSOR MONITORING TECHNOLOGY AND IRRIGATION SCHEDULING
12	\$17,000	MICHIGAN APPLE COMMITTEE	Dong, Younsuk	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	INVESTIGATION OF EFFECTIVE IRRIGATION AND NUTRIENT STRATEGIES FOR HIGH DENSITY APPLE PRODUCTION

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
13	\$300,000	NATIONAL INST OF FOOD & AGRICULTURE	Ghane, Ehsan	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	INCREASING THE ADOPTION OF CONTROLLED DRAINAGE FOR CROP PRODUCTION AND WATER-QUALITY PROTECTION USING AN EDUCATIONAL DECISION-SUPPORT TOOL
14	\$225,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Lu, Yuzhen	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	AN AUTONOMOUS ELECTRIC TRACTOR-BASED SYSTEM FOR PRECISION VEGETABLE CROP PRODUCTION
15	\$62,629	AGRICULTURAL RESEARCH SERVICE	Marks, Bradley	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ACQUISITION OF GOODS AND SERVICES
16	\$28,457	AGRICULTURAL RESEARCH SERVICE	Marks, Bradley	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ACQUISITION OF GOODS AND SERVICES
17	\$37,268	AGRICULTURAL RESEARCH SERVICE	Medina Meza, Ilce	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	COMPREHENSIVE BEANS LIPIDOME ASSESMENT
18	\$19,000	NATIONAL SCIENCE FOUNDATION	Saffron, Christopher	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	TRAVEL: SYMPOSIUM ON SCIENCE AND TECHNOLOGY DRIVING THE BIOECONOMY 2024
19	\$31,120	DTE ENERGY	Surbrook, Truman	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	MAEC DUES 2022
20	\$253,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Uych, Daniel	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	GROWING FRUIT TREES IN DIGITAL ENVIRONMENTS TO IMPROVE RESILIENCE AGAINST LABOR AND CLIMATE CHALLENGES
21	\$55,022	AGRICULTURAL RESEARCH SERVICE	Yi, Jiyoung	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ACQUISITION OF GOODS AND SERVICES
22	\$66,142	LAWRENCE BERKELEY NATIONAL LABORATORY	Bessette, Douglas	DEPARTMENT OF COMMUNITY SUSTAINABILITY	COMMUNITY-CENTERED SOLAR DEVELOPMENT: EXPLORING THE KEY ENABLING COMMUNITY FACTORS, IMPACTS AND OPPORTUNITIES FOR LARGE-SCALE SOLAR PROJECTS
23	\$75,000	MICHIGAN DEPT OF EDUCATION	Forbush, Mark	DEPARTMENT OF COMMUNITY SUSTAINABILITY	2024/25 OCTE GRANT
24	\$14,125	NATIONAL SCIENCE FOUNDATION	Goralnik, Lissy	DEPARTMENT OF COMMUNITY SUSTAINABILITY	COLLABORATIVE RESEARCH: INTERACTING EFFECTS OF INCREASING WILDFIRE SEVERITY AND ABRUPT PERMAFROST THAW ON THE CARBON BALANCE OF HIGH-LATITUDE ECOSYSTEMS (WATCH)
25	\$48,363	INGHAM INTERMEDIATE SCHOOL DISTRICT	McKim, Aaron	DEPARTMENT OF COMMUNITY SUSTAINABILITY	ENHANCING A CURRICULUM RESOURCE WEBSITE TO SUPPORT TRANSITION TO PERKINS V

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
26	\$12,795	CLEMSON UNIV	McKim, Aaron	DEPARTMENT OF COMMUNITY SUSTAINABILITY	IMMERSIVE PROFESSIONAL DEVELOPMENT EXPERIENCES FOR AGRISCIENCE TEACHERS TO EXPLORE THE FLORICULTURE INDUSTRY
27	\$31,236	KANSAS STATE UNIV	Perry, Elizabeth	DEPARTMENT OF COMMUNITY SUSTAINABILITY	UNDERSTANDING THE DRIVERS AND EFFECTS OF RECREATION DISPLACEMENT IN SOUTHERN CALIFORNIA NATIONAL FORESTS
28	\$60,000	MICHIGAN DEPT OF EDUCATION	Rogers-Randolph, Tiffany	DEPARTMENT OF COMMUNITY SUSTAINABILITY	FFA 2024-2025
29	\$20,071	EXTENSION FOUNDATION	Alzohairy, Safa	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MSU PSEP ADVANCEMENT. PESTICIDE SAFETY EDUCATION FUNDS MANAGEMENT PROGRAM
30	\$94,487	CENTRAL STATE UNIVERSITY	Huang, Zachary	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TRANSPORTATION CAUSES STRESS IN HONEY BEES
31	\$19,217	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESEARCH ON EXOTIC GRAPE PESTS IN MICHIGAN
32	\$60,689	US FISH & WILDLIFE SERVICE	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MEASURING PESTICIDE EXPOSURE AND ITS CONNECTION TO BUMBLE BEE COMMUNITY HEALTH ACROSS GREAT LAKES REGION HABITATS
33	\$55,606	IOWA STATE UNIV	Jess, Lynnae	ENTOMOLOGY AGRICULTURE AND NATURAL RES	NORTH CENTRAL INTEGRATED PEST MANAGEMENT (NCIPMC): A REGIONAL APPROACH TO PEST MANAGEMENT IMPLEMENTATION
34	\$25,000	WALLACE GENETIC FOUNDATION	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	INTERNATIONAL TRAINING AND CAPACITY BUILDING PROGRAM OF MICHIGAN STATE UNIVERSITY'S WORLD TECHNOLOGY ACCESS PROGRAM
35	\$72,442	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	FOCUS ON INDUSTRIAL AREAS AT RISK OF EXOTIC FOREST PEST INTRODUCTIONS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
36	\$56,174	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	FOCUS ON RECREATIONAL AREAS AT RISK OF EXOTIC FOREST PEST INTRODUCTION
37	\$263,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MITIGATING AND MASKING CLIMATE-INDUCED TREE STRESS TO REDUCE DAMAGE BY AMBROSIA BEETLES IN APPLE ORCHARDS
38	\$25,544	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MICHIGAN FRUIT CROP PEST SURVEY: TREE FRUIT
39	\$30,000	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Ziegler, Amos	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EAB BIOLOGICAL CONTROL MOBILE DATA COLLECTION
40	\$126,192	VARIOUS FOUNDATIONS	Belant, Jerrold	FISHERIES AND WILDLIFE	JERRY BELANT RESEARCH GIFTS
41	\$114,870	MICHIGAN DEPT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	IMPROVING FISHERY STOCK ASSESSMENTS IN THE GREAT LAKES
42	\$129,000	GREAT LAKES FISHERY COMMISSION	Brenden, Travis	FISHERIES AND WILDLIFE	GLFC SUPPORT FOR QFC
43	\$300,000	NATIONAL SCIENCE FOUNDATION	Hanly, Patrick	FISHERIES AND WILDLIFE	MSA: QUANTIFYING THE INTERACTIVE EFFECTS OF HUMAN DISTURBANCES ON LAKE BIOTA AND HARMFUL ALGAL BLOOMS AT THE CONTINENTAL SCALE
44	\$70,000	GREAT LAKES FISHERY COMMISSION	Infante, Dana	FISHERIES AND WILDLIFE	SUPPORT FOR THE GREAT LAKES AQUATIC HABITAT FRAMEWORK
45	\$42,500	ASSOC OF FISH & WILDLIFE AGENCIES	Infante, Dana	FISHERIES AND WILDLIFE	SUPPORT INITIAL DEVELOPMENT AND IMPROVEMENTS FOR THE 2025 NATIONAL FISH HABITAT ASSESSMENT
46	\$30,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Liu, Jianguo (Jack)	FISHERIES AND WILDLIFE	NASA-MSU PROFESSIONAL ENHANCEMENT AWARDS
47	\$45,304	TC ENERGY	Owen, Jennifer	FISHERIES AND WILDLIFE	UNRAVELING THE MIGRATION OF RED-TAILED HAWKS IN THE GREAT LAKES REGION
48	\$87,007	MICHIGAN DEPT OF NATURAL RESOURCES	Roloff, Gary	FISHERIES AND WILDLIFE	PERM: GARY ROLOFF – APPLIED FOREST AND WILDLIFE ECOLOGY
49	\$262,700	AGRICULTURAL RESEARCH SERVICE	Roloff, Gary	FISHERIES AND WILDLIFE	QUANTIFYING FERAL SWINE BEHAVIORAL ECOLOGY FOR IMPROVED FMD MODELING OF USA OUTBREAKS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
50	\$19,276	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rose, Joan	FISHERIES AND WILDLIFE	SARS-COV-2 EPIDEMIOLOGY – WASTEWATER EVALUATION AND REPORTING (SEWER) NETWORK
51	\$47,521	UNIVERSITY OF RHODE ISLAND	Tsao, Jean	FISHERIES AND WILDLIFE	INVESTIGATIONS OF LYME SPIROCHETE TRANSMISSION AS A COMPLEX NETWORK OF MICROBIAL AND ECOLOGICAL INTERACTIONS
52	\$20,000	GREAT LAKES FISHERY COMMISSION	Vandergoot, Christopher	FISHERIES AND WILDLIFE	VANDERGOOT - GLFC RESEARCH GIFT
53	\$14,402	KEEP GROWING DETROIT	Alaimo, Katherine	FOOD SCIENCE AND HUM NUTRITION ANR	EARLY CHILDHOOD GARDENING RESEARCH PROJECT
54	\$49,548	TEXAS A&M UNIV	Bergholz, Teresa	FOOD SCIENCE AND HUM NUTRITION ANR	VALIDATION OF MICROBIAL PATHOGEN CONTROL ON DRIED RTE SAUSAGES BY NOVEL ANTIMICROBIAL AND MATHEMATICAL APPROACHES.
55	\$300,000	NATIONAL INST OF FOOD & AGRICULTURE	Mayhew, Emily	FOOD SCIENCE AND HUM NUTRITION ANR	APPLICATION OF PLANT GROWTH REGULATORS TO IMPROVE BERRY SENSORY QUALITY
56	\$23,391	UNIVERSITY OF WISCONSIN	Wu, Felicia	FOOD SCIENCE AND HUM NUTRITION ANR	UNDERSTANDING THE MEAT SUPPLY CHAIN NETWORK: THE IMPACT OF SUPPLY DISRUPTIONS ON FOOD INSECURITY AND NUTRITIONAL INEQUALITY
57	\$250,000	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
58	\$137,000	TINKER FOUNDATION INC	Cooper, Lauren	FORESTRY	INCLUSIVE AND SUSTAINABLE CONSERVATION PARTNERSHIPS: AN APPLIED APPROACH FOR IMPROVING PERU’S MARKET-BASED-MECHANISM STRATEGIES WITH INDIGENOUS COMMUNITIES
59	\$287,711	USDA FOREST SERVICE	Dowtin, Asia	FORESTRY	SURVEY TO EVALUATE AND INCREASE URBAN FOREST MANAGEMENT CAPACITY
60	\$10,807	SOUTH DAKOTA SCHOOL OF MINES & TECHNOLOGY	Finley, Andrew	FORESTRY	SPATIAL-TEMPORAL MODELS FOR FIA DATA: COMBINING PLOTS ACROSS TIME AND SPACE FOR TIME-SPECIFIC AND CHANGE ESTIMATES OF FOREST BIOMASS STOCKS
61	\$129,181	CHARLES STEWART MOTT FOUNDATION	Gailey, Samantha	FORESTRY	EVALUATING THE HEALTH AND EQUITY IMPACTS OF THE NEW FLINT STATE PARK: BASELINE STUDY
62	\$650,000	NATIONAL INST OF FOOD & AGRICULTURE	Huff, Emily	FORESTRY	MULTI-OBJECTIVE FRAMEWORK TO ANALYZE THE SOCIAL IMPLICATIONS OF TECHNOLOGIES AND CATALYZE A JUST AND CLIMATE-RESILIENT BIOECONOMY
63	\$507,275	MICHIGAN DEPT OF NATURAL RESOURCES	Lupien, Sandra	FORESTRY	MASSTIMBER@MSU

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
64	\$267,779	US FOREST SERVICE FOREST PRODUCTS LABORATORY	Pokharel, Raju	FORESTRY	IDENTIFYING POTENTIAL LOCATIONS FOR EXPANDED, REACTIVATED AND NEW WOOD PROCESSING FACILITIES TO IMPROVE FINANCIAL PROSPECTS AND PRIORITIZE WILDFIRE RISK MITIGATION FUNDING IN THE PRIORITY INVESTMENT L
65	\$50,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Stark, Scott	FORESTRY	CAN SOLAR-INDUCED FLUORESCENCE (SIF) REVEAL LEAF-SCALE DRIVERS OF AMAZON FOREST RESPONSE TO CLIMATE AND DISTURBANCE? A CHRISTMAS BLOWDOWN PRESENTS A NEW OPPORTUNITY TO IMPROVE SIF REMOTE SENSING SCI..
66	\$1,123,599	USDA FOREST SERVICE	Walters, Michael	FORESTRY	ASSESSING CURRENT AND ALTERNATIVE MANAGEMENT TO RESTORE RESILIENT FOREST LANDSCAPES
67	\$266,974	UTAH STATE UNIV	Einhorn, Todd	HORTICULTURE ANR	IMPROVING THE ECONOMIC AND ENVIRONMENTAL SUSTAINABILITY OF TART CHERRY PRODUCTION THROUGH PRECISION MANAGEMENT
68	\$42,000	MICHIGAN APPLE COMMITTEE	Einhorn, Todd	HORTICULTURE ANR	DEVELOPING A BITTER PIT MITIGATION PROTOCOL USING PLANT GROWTH REGULATORS
69	\$20,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Fernandez, Rodney	HORTICULTURE ANR	SEQUENTIAL ANAEROBIC-AEROBIC UPFLOW BIOREACTORS FOR THE TREATMENT OF NUTRIENTS AND PESTICIDES IN AGRICULTURAL WASTEWATER PROJECT
70	\$20,000	WESTRATE GREENHOUSES INC	Runkle, Erik	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF FLORICULTURE RESEARCH
71	\$9,000	OHP INC	Saha, Debalina	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF WEED MANAGEMENT RESEARCH
72	\$20,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Saha, Debalina	HORTICULTURE ANR	ASSESSING THE EFFECTS OF ORGANIC VERSUS SYNTHETIC HERBICIDES ON LIVERWORT CONTROL FOR NURSERY CONTAINER PRODUCTION
73	\$25,000	MICHIGAN APPLE COMMITTEE	Vannocker, Steven	HORTICULTURE ANR	DEVELOPING THE NATIVE APPLE AS A MODEL FOR UNDERSTANDING SPRING FROST RESISTANCE IN COMMERCIAL APPLE
74	\$21,654	LEFT FOOD CHARLEY	Vannocker, Steven	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF OTTERSON APPLE RESEARCH.
75	\$25,000	MICHIGAN APPLE COMMITTEE	Vannocker, Steven	HORTICULTURE ANR	INCREASING APPLE PRODUCTION PROFITABILITY BY OPTIMIZING POLLINIZER EFFICIENCY IN SINGLE-VARIETY BLOCKS
76	\$31,678	EASYPAK	Almenar Rosaleny, Eva	PACKAGING	EFFECTS OF PACKAGING DESIGN BASED ON HONEYCOMB TECH ON FOOD SHELF LIFE AND CONSUMER SATISFACTION
77	\$50,000	MICHIGAN BEAN COMMISSION	Bales, Scott	PLANT SOIL AND MICROBIAL SCIENCES	2022 SPECIALTY CROP BLOCK GRANT
78	\$61,668	AGRICULTURAL RESEARCH SERVICE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	ESTABLISHING THE INFRASTRUCTURE TO DEVELOP PREDICTION TOOLS FOR DISEASES AND MYCOTOXINS AFFECTING CORN TO BETTER INFORM MANAGEMENT DECISIONS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
79	\$37,276	AGRICULTURAL RESEARCH SERVICE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	IMPROVED WHITE MOLD RESISTANCE IN DRY AND SNAP BEANS THROUGH MULTI-SITE SCREENING THROUGHOUT MAJOR PRODUCTION AREAS
80	\$94,120	AGRICULTURAL RESEARCH SERVICE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	MANAGING FUSARIUM HEAD BLIGHT (FHB) THROUGH LAB AND FIELD STUDIES
81	\$76,081	AGRICULTURAL RESEARCH SERVICE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATION AND OPTIMIZATION OF GENOMIC SELECTION FOR DURABLE WHITE MOLD RESISTANCE IN DRY BEAN
82	\$1,140,747	NATIONAL INST OF FOOD & AGRICULTURE	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	POTATO BREEDING AND VARIETY DEVELOPMENT IN THE NORTH CENTRAL US: ENHANCING YIELD, QUALITY AND RESILIENCE WITH NEW TECHNOLOGIES, 2023-25
83	\$56,000	POTATOES USA	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	NATIONAL CHIP POTATO VARIETY COMMERCIALIZATION PROGRAM MANAGEMENT
84	\$495,000	CAMPBELL SOUP CO	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	PROCESSING TRAIT ENHANCEMENT OF COMMERCIAL POTATO VARIETIES
85	\$107,999	NATIONAL INST OF FOOD & AGRICULTURE	Heger, Lexi	PLANT SOIL AND MICROBIAL SCIENCES	INVESTIGATING CRYPTIC SPECIES DYNAMICS WITHIN PLASMOPARA VITICOLA
86	\$274,083	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	DRY BEAN CULTIVAR DEVELOPMENT
87	\$99,619	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
88	\$141,500	POTATOES USA	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	NATIONAL CHIP POTATO VARIETY COMMERCIALIZATION PROGRAM MANAGEMENT
89	\$97,522	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATION AND VALIDATION OF INTERNAL CONTROLS FOR MOLECULAR DIAGNOSTIC ASSAYS
90	\$98,003	AGRICULTURAL RESEARCH SERVICE	Rojas, J.	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPMENT OF MOLECULAR DIAGNOSTICS AND COTTON DISEASE PREDICTIVE TOOL
91	\$907,847	NATIONAL SCIENCE FOUNDATION	Rouached, Hatem	PLANT SOIL AND MICROBIAL SCIENCES	DISSECTION OF THE MECHANISMS INTEGRATING PHOSPHATE NUTRITION AND PLANT GROWTH INVOLVING THE KINASE ARSK1

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
92	\$25,000	MICHIGAN APPLE COMMITTEE	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	TOLERANCE TO THE LAST RESORT BACTERICIDE KASUGAMYCIN IN THE FIRE BLIGHT PATHOGEN ERWINIA AMYLOVORA: ASSESSMENT AND MITIGATION
93	\$50,000	NATIONAL SCIENCE FOUNDATION	Tiemann, Lisa	PLANT SOIL AND MICROBIAL SCIENCES	I-CORPS: TRANSLATION POTENTIAL OF SPECTROSCOPIC SOLUTIONS FOR SOIL TESTING
94	\$79,764	AGRICULTURAL RESEARCH SERVICE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPING SOYBEAN VARIETIES WITH RESISTANCE TO SCLEROTINIA STEM ROT
95	\$10,000	BEET SUGAR DEVELOPMENT FOUNDATION	Willbur, Jaime	PLANT SOIL AND MICROBIAL SCIENCES	STORAGE ROT OF SUGAR BEET AND INFLUENCE OF GROWING CONDITIONS ON DISEASE
96	\$18,000	BEET SUGAR DEVELOPMENT FOUNDATION	Willbur, Jaime	PLANT SOIL AND MICROBIAL SCIENCES	MONITORING AND CHARACTERIZATION OF NEW AND EMERGING FOLIAR PATHOGENS OF SUGAR BEET
<b>COLLEGE OF ARTS AND LETTERS</b>					
97	\$11,142	INST OF INTL EDUCATION	Albee, Mark	ENGLISH LANGUAGE CENTER	ENGLISH LANGUAGE CERTIFICATE PROGRAM FOR BRAZILIAN HIGH SCHOOL TEACHERS
98	\$172,166	NATIONAL SCIENCE FOUNDATION	Sneller, Betsy	LINGUISTICS, LANGUAGES, AND CULTURES	CAREER: SOCIOLINGUISTIC DEVELOPMENT IN PRE- AND EARLY ADOLESCENTS
99	\$21,362	NATIONAL SCIENCE FOUNDATION	Rinkus, Marisa	PHILOSOPHY	NSF ACCELNET-EU COST EVENT AT UN SCIENCE SUMMIT - SEPTEMBER 2024 - SUPPLEMENT TO BUILDING CAPACITY FOR INTERNATIONAL NETWORK-TO-NETWORK COLLABORATION
<b>ELI BROAD COLLEGE OF BUSINESS</b>					
100	\$106,784	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 - 4TH YEAR
<b>COLLEGE OF COMMUNICATION ARTS SCIENCES</b>					
101	\$250,000	DETROIT PUBLIC TELEVISION	Turner, Shawn	BROADCASTING SERVICES	MICHIGAN LEARNING CHANNEL
102	\$366,385	NATIONAL INST OF HEALTH	Venker, Courtney	COMMUNICATIVE SCIENCES DISORDERS CAS	HOW SINGLE-WORD AND TELEGRAPHIC SIMPLIFICATION AFFECTS LANGUAGE PROCESSING AND WORD LEARNING IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
103	\$412,803	NATIONAL INST OF HEALTH	Yaruss, J Scott	COMMUNICATIVE SCIENCES DISORDERS CAS	STUTTERING IN THE REAL WORLD: QUANTIFYING VARIABILITY TO IMPROVE MEASUREMENT RELIABILITY AND VALIDITY
104	\$314,621	NATIONAL SCIENCE FOUNDATION	Takahashi, Bruno	JOURNALISM	COLLABORATIVE RESEARCH: BROADENING PARTICIPATION AMONG SCIENCE COMMUNICATION PRACTITIONERS: SCIENCE COMMUNICATION AND REPRESENTATION FELLOWSHIP (SCARF)
105	\$81,516	FEDERAL COMMUNICATION COMMISSION	Bauer, Johannes	MEDIA AND INFORMATION	JOHANNES BAUER FCC IPA EXTENSION
<b>COLLEGE OF EDUCATION</b>					
106	\$26,750	VARIOUS SCHOOLS	Paine, Lynn	CED INTERNATIONAL STUDIES IN EDUCATION	WORLD LANGUAGE TEACHER CERTIFICATION RESIDENCY PROGRAM
107	\$50,001	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH SPEC EDUC	MOBILE CRISIS RESPONSE CAREGIVER EXPERIENCE SURVEY (MRCES) AMENDMENT
108	\$29,487	UNIVERSITY OF WISCONSIN MADISON	Castruita Rios, Yazmin	COUNSELING, EDUC PSYCH SPEC EDUC	REHABILITATION RESEARCH AND TRAINING CENTER (RRTC) ON EMPLOYMENT OF TRANSITION-AGE YOUTH WITH DISABILITIES
109	\$342,792	US DEPT OF EDUCATION	Truckenmiller, Adrea	COUNSELING, EDUC PSYCH SPEC EDUC	WRITING ARCHITECT: A WEB-BASED TOOL FOR ADAPTING WRITING INSTRUCTION TO MEET STUDENTS' NEEDS
110	\$345,952	INST OF EDUCATION SCIENCES	Witmer, Sara	COUNSELING, EDUC PSYCH SPEC EDUC	EXPLORING EXTENDED TIME ELIGIBILITY AND USE TO INFORM EQUITABLE AND APPROPRIATE PRACTICES.
111	\$200,000	APPLE	Yadav, Aman	COUNSELING, EDUC PSYCH SPEC EDUC	CREATIVITY AND COMPUTING IN DETROIT
112	\$152,056	VARIOUS SCHOOLS	Beverly, Bryan	EDUCATION DEAN	K-12 SCHOOL IMPROVEMENT TRAINING
113	\$32,570	EASTERN MICHIGAN UNIV	Chambers, Terah	EDUCATIONAL ADMINISTRATION	DEMOCRACY AND EDUCATION: A VIEW FROM DETROIT
114	\$22,423	VANDERBILT UNIV	Dhaliwal, Tasminda	EDUCATIONAL ADMINISTRATION	CREATING A NUISANCE? HOUSING NUISANCE ORDINANCES AND THEIR IMPACTS ON STUDENT OUTCOMES
115	\$633,127	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**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
116	\$299,571	NATIONAL SCIENCE FOUNDATION	Lee, Mei Hua	KINESIOLOGY ED	EAGER: ALGORITHM-ASSISTED CHARACTERIZATION OF EXPLORATORY BEHAVIOR DURING THE DEVELOPMENT OF INFANT WALKING
117	\$439,743	WILLIAM & FLORA HEWLETT FOUNDATION	Flenbaugh, Terry	TEACHER EDUCATION	NETWORKED IMPROVEMENT COMMUNITY ON RACIAL EQUITY IN TEACHER EDUCATION
118	\$61,160	US DEPT OF EDUCATION	Li, Jiahang	TEACHER EDUCATION	TECHNOLOGY FACILITATED CHINESE LANGUAGE TEACHING (TFCLT)
<b>COLLEGE OF ENGINEERING</b>					
119	\$12,000	NATIONAL SCIENCE FOUNDATION	Chan, Christina	CHEMICAL ENGINEERING AND MATERIALS SCI	SATURATED FATTY ACIDS INVOLVED IN DNA DAMAGE RESPONSE, MEDIATED BY IRE1A, TO PROMOTE CHEMOTOLERANCE
120	\$17,210	MASSACHUSETTS GENERAL HOSPITAL	Gilad, Assaf	CHEMICAL ENGINEERING AND MATERIALS SCI	ARTIFICIAL INTELLIGENCE BOOSTED EVOLUTION AND DETECTION OF GENETICALLY ENCODED REPORTERS FOR IN VIVO IMAGING
121	\$310,751	RAYTHEON TECHNOLOGIES CORPORATION	Hickner, Michael	CHEMICAL ENGINEERING AND MATERIALS SCI	HIGH PERFORMANCE HYDROCARBON MEMBRANE ELECTRODE ASSEMBLY
122	\$306,666	PENNSYLVANIA STATE UNIV	Hickner, Michael	CHEMICAL ENGINEERING AND MATERIALS SCI	PHOTOCHEMICAL AND PHOTOTHERMAL ADDITIVE MANUFACTURING OF PRECERAMIC POLYMERS
123	\$135,000	TOYOTA MOTOR CORP	Lunt, Richard	CHEMICAL ENGINEERING AND MATERIALS SCI	HIGHLY EFFICIENT VISIBLY TRANSPARENT SOLAR CELL MODULE FOR BATTERY ELECTRIC VEHICLE DEPLOYMENT
124	\$188,312	NATIONAL INST OF HEALTH	Szczepanski, Caroline	CHEMICAL ENGINEERING AND MATERIALS SCI	REINFORCING DENTAL ADHESIVES WITH MONOMERS CAPABLE DYNAMIC REARRANGEMENT AND SELF-RECOVERY
125	\$22,208	NATIONAL SCIENCE FOUNDATION	Wang, Ruigang	CHEMICAL ENGINEERING AND MATERIALS SCI	PFI-TT: SCALABLE THERMAL SPRAY DEPOSITION OF SURFACE-ENGINEERED WASHCOAT CATALYSTS FOR VEHICLE EMISSION CONTROL SYSTEMS
126	\$40,000	UNIVERSITY OF MARYLAND	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	ENVIRONMENTAL AND LIFE CYCLE ANALYSIS OF HIGHWAY INFILTRATION BERMS CONSTRUCTED WITH DREDGED SEDIMENTS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
127	\$250,148	STATE OF IOWA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	FIELD AND LABORATORY EVALUATION OF ROADSIDE SOIL QUALITY RESTORATION PRACTICES
128	\$126,280	MINNESOTA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	EVALUATION OF GRAVEL STABILIZER USED ON GRAVEL ROADS AND GRAVEL SHOULDERS
129	\$38,411	NATIONAL RENEWABLE ENERGY LAB	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	MULTIPLE BENEFITS ASSESSMENT AND JUSTIFICATION APP FOR INDUSTRIAL ENERGY EFFICIENCY PROJECTS
130	\$96,800	MICHIGAN DEPT OF TRANSPORTATION	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	DIGITAL COLLABORATION USING INDUSTRY FOUNDATION CLASSES (IFC) AND BUILDING INFORMATION MODEL (BIM) TECHNOLOGY (OR24-010)
131	\$227,416	MINNESOTA DEPT OF TRANSPORTATION	Congress, Surya Sarat Chandra	CIVIL AND ENVIRONMENTAL ENGINEERING	VULNERABILITY ASSESSMENTS OF CRITICAL SLOPE AREAS USING ADVANCED MONITORING TECHNIQUES
132	\$288,291	NATIONAL SCIENCE FOUNDATION	Cupples, Alison	CIVIL AND ENVIRONMENTAL ENGINEERING	DATA MINING OF CONTAMINANT DEGRADING GENES IN GROUNDWATER & SEDIMENT METAGENOMES
133	\$196,132	MINNESOTA DEPT OF TRANSPORTATION	Dey, Kakan	CIVIL AND ENVIRONMENTAL ENGINEERING	USER UNDERSTANDING OF PEDESTRIAN HYBRID BEACON OPERATION
134	\$160,000	MINNESOTA DEPT OF TRANSPORTATION	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	EFFECT OF CENTERLINES ON PREVAILING TRAFFIC SPEEDS ON LOW-SPEED, TWO-LANE, TWO-WAY ROADS IN URBAN CONTEXTS (NS 719)
135	\$400,000	NATIONAL ACADEMY OF SCIENCES	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	EFFECTIVENESS OF SPEED REDUCTION IN WORK ZONES
136	\$264,706	MICHIGAN DEPT OF TRANSPORTATION	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	SAFETY EFFECTIVENESS OF NON-FREEWAY SINUSOIDAL SHOULDER CORRUGATIONS
137	\$100,000	DEPT OF LABOR & ECONOMIC OPPORTUNITY	Ghamami, Mehrnaz	CIVIL AND ENVIRONMENTAL ENGINEERING	EV CHARGING STUDY
138	\$137,600	MICHIGAN DEPT OF TRANSPORTATION	Haider, Syed	CIVIL AND ENVIRONMENTAL ENGINEERING	FINITE ELEMENT METHOD (FEM) MATRIX STUDY FOR RAPID TRAVEL PROFILER CURL/WARP CORRELATIONS
139	\$128,190	MICHIGAN DEPT OF TRANSPORTATION	Kutay, Muhammed	CIVIL AND ENVIRONMENTAL ENGINEERING	EVALUATION OF MDOT'S METHODOLOGIES FOR BOTH QUANTIFYING PAVEMENT DISTRESS AND MODELING PAVEMENT PERFORMANCE FOR LIFE-CYCLE COST

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
140	\$150,677	US GEOLOGICAL SURVEY	Mantha, Phanikumar	CIVIL AND ENVIRONMENTAL ENGINEERING	HYDRODYNAMIC SUPPORT FOR COASTAL ECOSYSTEM RESTORATION
141	\$149,003	MINNESOTA DEPT OF TRANSPORTATION	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	SPEED IMPACTS FROM ROUNDABOUTS AND OTHER TRAFFIC CONTROL DEVICES
142	\$7,500	VIRGINIA TECH TRANSPORTATION INST	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	SHRP 2 POOLED FUND STUDY PRESENTATION-RECORDINGS
143	\$310,590	MICHIGAN DEPT OF TRANSPORTATION	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	RESEARCH ON COVID AND TRAFFIC CRASHES/IMPACT ON SAFETY TARGETS
144	\$800,000	US DEPT OF TRANSPORTATION	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	2023 WORK ZONE SAFETY GRANT
145	\$40,000	NATIONAL SCIENCE FOUNDATION	Ravishankar, Saiprasad	COMPUTATIONAL MATH SCI AND ENGR EGR	REU FOR NSF AWARD 2212065
146	\$150,000	NATIONAL SCIENCE FOUNDATION	Bonakdarpour, Borzoo	COMPUTER SCIENCE AND ENGINEERING	FMITF: TRACK II: ENHANCING THE BOUNDED MODEL CHECKING TOOL FOR HYPERPROPERTIES (HYPERQB) FOR INDUSTRIAL APPLICATIONS
147	\$90,681	NATIONAL SCIENCE FOUNDATION	Dolson, Emily	COMPUTER SCIENCE AND ENGINEERING	COLLABORATIVE RESEARCH: FET: SMALL: RUI: LEVERAGING SYMBIOTIC CO-EVOLUTION FOR IMPROVED PROBLEM SOLVING
148	\$10,000	HENRY FORD HEALTH SYSTEM	Ghassemi, Mohammad	COMPUTER SCIENCE AND ENGINEERING	UTILIZING LARGE LANGUAGE MODELS IN IMPROVING EFFICACY OF RADIOGRAPH REPORT GENERATION
149	\$10,000	HENRY FORD HEALTH SYSTEM	Ghassemi, Mohammad	COMPUTER SCIENCE AND ENGINEERING	USING NATURAL LANGUAGE TRANSFORMERS TO GENERATE AN APPROPRIATE CLINICAL HISTORY FOR ADVANCED MSK IMAGING EXAMINATIONS
150	\$10,000	HENRY FORD HEALTH SYSTEM	Ghassemi, Mohammad	COMPUTER SCIENCE AND ENGINEERING	AUTOMATED RADIOLOGY/SURGERY CORRELATION OF SHOULDER MR'S FOR QUALITY CONTROL
151	\$71,232	HENRY FORD HEALTH SYSTEM	Ghassemi, Mohammad	COMPUTER SCIENCE AND ENGINEERING	DEVELOPMENT OF MACHINE LEARNING BASED NOVEL CLINICAL DECISION SUPPORT TOOLS IN CANCER PATIENTS UNDERGOING RADIATION THERAPY
152	\$56,000	OFFICE OF NAVAL RESEARCH	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	PRIVACY-PRESERVING AND ROBUST FEDERATED LEARNING

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
153	\$16,000	ROCHESTER INST OF TECHNOLOGY	Kong, Yu	COMPUTER SCIENCE AND ENGINEERING	DEFAKE: DEPLOYING A TOOL FOR ROBUST DEEPPFAKE DETECTION
154	\$250,000	OFFICE OF NAVAL RESEARCH	Kordjamshidi, Parisa	COMPUTER SCIENCE AND ENGINEERING	NEURO-SYMBOLIC COMPOSITIONAL GENERALIZATION FOR LANGUAGE AND VISION COMPREHENSION AND GROUNDING
155	\$20,000	SNAP INC	Liu, Hui	COMPUTER SCIENCE AND ENGINEERING	GRAPH FOUNDATION MODELS
156	\$485,913	NATIONAL SCIENCE FOUNDATION	Liu, Sijia	COMPUTER SCIENCE AND ENGINEERING	CAREER: ZERO-ORDER MACHINE LEARNING: FOUNDATIONS AND EMERGING APPLICATIONS
157	\$550,000	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	PHYSICS-DRIVEN MODELING AND LEARNING FOR PERSON RECOGNITION AT A DISTANCE AND ALTITUDE
158	\$40,000	NATIONAL SCIENCE FOUNDATION	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	IUCRC PHASE III MICHIGAN STATE UNIVERSITY: CENTER FOR IDENTIFICATION TECHNOLOGY RESEARCH (CITER)
159	\$37,306	PENNSYLVANIA STATE UNIV	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	TOWARD INTERPRETABLE AND STABLE GRAPH NEURAL NETWORKS
160	\$20,000	NATIONAL SCIENCE FOUNDATION	Yan, Qiben	COMPUTER SCIENCE AND ENGINEERING	SUPPLEMENTAL FUNDING FOR NSF AWARD: SATC: CORE: SMALL: ROBUST SPEAKER AND SPEECH RECOGNITION UNDER AI-DRIVEN PHYSICAL AND DIGITAL ATTACK
161	\$181,407	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Aviyente, Selin	ELECTRICAL AND COMPUTER ENGINEERING	INTERPRETABLE COMMUNITY DETECTION FOR MULTILAYER NETWORKS
162	\$25,000	UNIVERSITY OF MICHIGAN	Ayres, Virginia	ELECTRICAL AND COMPUTER ENGINEERING	MSU AFFILIATE: MICHIGAN SPACE GRANT CONSORTIUM
163	\$79,125	NV ENERGY INC	Ben-Idris, Mohammed	ELECTRICAL AND COMPUTER ENGINEERING	OPTIMIZATION OF EXCESS SOLAR AND STORAGE CAPACITY FOR GRID SERVICES (3RD PROJECT PERIOD)
164	\$103,524	NATIONAL SCIENCE FOUNDATION	Bopardikar, Shaunak	ELECTRICAL AND COMPUTER ENGINEERING	CAREER: CHARACTERIZING ATTACK RESILIENCE OF MULTI-AGENT DYNAMICAL SYSTEMS WITH APPLICATIONS TO CONNECTED AUTONOMOUS VEHICLES
165	\$20,378	UNIVERSITY OF PENNSYLVANIA	Bopardikar, Shaunak	ELECTRICAL AND COMPUTER ENGINEERING	ARCHES: AUTONOMOUS RESILIENT COGNITIVE HETEROGENEOUS SWARMS GRANT #W911NF-17-2-0181

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
166	\$70,000	GENERAL MOTORS CORP	Deb, Kalyanmoy	ELECTRICAL AND COMPUTER ENGINEERING	KNOWLEDGE ASSISTED INTERACTIVE DESIGN OPTIMIZATION (KAIDO) II: LEVERAGING EMO FOR GENERATIVE DESIGN
167	\$74,123	OFFICE OF NAVAL RESEARCH	Han, Ming	ELECTRICAL AND COMPUTER ENGINEERING	ONR WHITE PAPER TRACKING NUMBER 22-000001728: FIBER-OPTIC ACOUSTIC EMISSION SENSOR SYSTEMS WITH SINGLE-SIDEBAND LASER INTERROGATION
168	\$39,889	TEXAS A&M UNIV	Harokopus, William	ELECTRICAL AND COMPUTER ENGINEERING	AFE 78 – RA ANTENNA SELECTIVITY PROJECT
169	\$56,359	FRAUNHOFER USA	Li, Wen	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER CENTER RENEWAL
170	\$536,663	NATIONAL INST OF HEALTH	Mason, Andrew	ELECTRICAL AND COMPUTER ENGINEERING	WEARABLE MICROSYSTEM FOR CONTINUOUS PERSONALIZED AEROSOL EXPOSURE ASSESSMENT
171	\$50,000	PURDUE UNIV	Miller, Nicholas	ELECTRICAL AND COMPUTER ENGINEERING	REAL-TIME MONITORING OF DEVICE THERMAL CHARACTERISTICS UNDER RF STRESS
172	\$30,000	SANDIA NATIONAL LABORATORIES	Mitra, Joydeep	ELECTRICAL AND COMPUTER ENGINEERING	RELIABILITY FOUNDATIONS FOR OPERATING STRATEGIES FOR LONG DURATION STORAGE
173	\$97,368	UNIVERSITY OF SOUTH FLORIDA	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	PERCEPTIVE AND REACTIVE AUTONOMOUS NAVIGATION IN CHALLENGING ENVIRONMENTS (PRANCE)
174	\$171,483	KYOCERA INTERNATIONAL INC	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	PHASED ARRAY COORDINATION
175	\$260,000	NATIONAL SCIENCE FOUNDATION	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	COLLABORATIVE RESEARCH: WEARABLE DISTRIBUTED METASURFACE ANTENNA ARRAY FOR RELIABLE AND SECURE WIRELESS BODY AREA NETWORKS.
176	\$9,000	TOYOTA MOTOR CORP	Nicley, Shannon	ELECTRICAL AND COMPUTER ENGINEERING	EXPLORING OPTICALLY ACTIVE DEFECT CENTERS IN TWO-DIMENSIONAL MATERIALS FOR QUANTUM SENSING
177	\$130,000	TOYOTA RESEARCH INST NORTH AMERICA	Nicley, Shannon	ELECTRICAL AND COMPUTER ENGINEERING	RESEARCH ON SPIN DEFECTS CREATION AND THEIR CHARACTERIZATION
178	\$29,167	TCL RESEARCH AMERICA INC	Ren, Jian	ELECTRICAL AND COMPUTER ENGINEERING	GIFT FUND FOR COMPUTING AND MACHINE LEARNING RESEARCH

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
179	\$250,000	UNIVERSITY OF NEW MEXICO	Verboncoeur, John	ELECTRICAL AND COMPUTER ENGINEERING	EXPLORATION OF FUNDAMENTAL LIMITS TO HIGH POWER ELECTROMAGNETIC (HPEM) AMPLIFICATION
180	\$35,193	NATIONAL INST OF HEALTH	Aguirre, Aitor	INSTITUTE FOR QUANTITATIVE HEALTH	OXYLIPIN SIGNALING IN CONGENITAL HEART DISEASE
181	\$448,097	NATIONAL INST OF HEALTH	Bhattacharya, Sudin	INSTITUTE FOR QUANTITATIVE HEALTH	INTEGRATIVE TRANSCRIPTIONAL AND EPIGENOMIC MODELING OF XENOBIOTIC-ACTIVATED GENE REGULATORY NETWORKS
182	\$24,438	UNIVERSITY OF MICHIGAN	Harada, Masako	INSTITUTE FOR QUANTITATIVE HEALTH	AN EV-BASED MOLECULAR SCREENING PLATFORM TO IMPROVE TARGETED DELIVERY
183	\$50,000	NATIONAL INST OF HEALTH	Johnson, Brian	INSTITUTE FOR QUANTITATIVE HEALTH	MODELING SENTINEL CELL SIGNALING INTERACTIONS TO PREDICT EFFECTS OF ADVERSE EXPOSURES.
184	\$622,314	NATIONAL INST OF HEALTH	Kim, Taeho	INSTITUTE FOR QUANTITATIVE HEALTH	DEVELOPMENT OF ANTI-INFLAMMATORY NANODRUG FOR ENDOMETRIOSIS TREATMENT
185	\$27,682	DUKE UNIV	Kim, Taeho	INSTITUTE FOR QUANTITATIVE HEALTH	ANTI-INFLAMMATORY NANODRUG FOR ENDOMETRIOSIS THERANOSTICS
186	\$102,639	NATIONAL SCIENCE FOUNDATION	Qiu, Zhen	INSTITUTE FOR QUANTITATIVE HEALTH	CAREER: MOEMS-BASED HEAD-MOUNTED NIR-II MICROSCOPY FOR MOLECULAR IMAGING OF BRAIN TUMOR IN FREELY BEHAVING SMALL ANIMAL MODELS
187	\$188,003	NATIONAL INST OF HEALTH	Woldring, Daniel	INSTITUTE FOR QUANTITATIVE HEALTH	RATIONALLY GUIDED DISCOVERY PLATFORM FOR MONOCLONAL ANTIBODIES AGAINST CARBOHYDRATE ANTIGENS USING VIRUS-LIKE PARTICLE CONJUGATE IMMUNIZATION AND HIGH THROUGHPUT SELECTION
188	\$8,000	NATIONAL SCIENCE FOUNDATION	Fan, Bei	MECHANICAL ENGINEERING	COLLABORATIVE PROPOSAL: ENHANCED ELECTRICITY GENERATION THROUGH LIQUID FLOW OVER DURABLE SLIPPERY SURFACES
189	\$98,398	OREGON STATE UNIV	Guo, Yang	MECHANICAL ENGINEERING	GOALI: FUNDAMENTAL INVESTIGATION OF CONSTRAINED CUTTING FOR HIGH PERFORMANCE MACHINING OF DIFFICULT-TO-CUT MATERIALS
190	\$439,954	NATIONAL SCIENCE FOUNDATION	Lee, Lik-Chuan	MECHANICAL ENGINEERING	COLLABORATIVE RESEARCH: SCH: MACHINE-LEARNING ENHANCED MODELING OF CARDIAC PATHOPHYSIOLOGY
191	\$178,832	CALIFORNIA MEDICAL INNOVATIONS INST	Lee, Lik-Chuan	MECHANICAL ENGINEERING	MATHEMATICAL MODEL-BASED OPTIMIZATION OF CRT RESPONSE IN ISCHEMIA
192	\$157,023	CALIFORNIA MEDICAL INNOVATIONS INST	Lee, Lik-Chuan	MECHANICAL ENGINEERING	MECHANISMS OF CORONARY FLOW HETEROGENEITY: IMPLICATIONS FOR CORONARY SINUS OCCLUSION THERAPY

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
193	\$136,684	UNIVERSITY OF KENTUCKY	Lee, Lik-Chuan	MECHANICAL ENGINEERING	DATA-DRIVEN OPTIMIZATION OF THERAPY FOR HEART FAILURE
194	\$619,386	NATIONAL SCIENCE FOUNDATION	Lin, Shaoting	MECHANICAL ENGINEERING	CAREER: MULTISCALE MECHANICS OF PARTICLE TRANSPORT IN SOFT ACTIVE MATERIALS
195	\$15,000	US ARMY CORPS OF ENGINEERS	Lin, Shaoting	MECHANICAL ENGINEERING	REVEALING THE DESIGN PRINCIPLES OF EXTREMELY TOUGH AND STRETCHABLE FIBER-REINFORCED HYDROGEL COMPOSITES
196	\$180,906	FORD MOTOR CO	Modares, Hamidreza	MECHANICAL ENGINEERING	MSU-2188
197	\$30,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Wichman, Indrek	MECHANICAL ENGINEERING	DEVELOPING THE NARROW CHANNEL APPARATUS AS A NASA STANDARD MATERIAL FLAMMABILITY TEST
198	\$20,000	AGRICULTURAL RESEARCH SERVICE	Zhang, Kaixiang	MECHANICAL ENGINEERING	DEVELOPMENT OF AN IMPROVED LASER-CAMERA SCANNING SYSTEM FOR DUAL-ARM ROBOTIC APPLE HARVESTING
<b>COLLEGE OF HUMAN MEDICINE</b>					
199	\$50,000	COMMUNITY FOUNDATION OF GREATER FLINT	Custack, Amy	CS MOTT DEPARTMENT OF PUBLIC HEALTH	FRESH PRODUCE PRESCRIPTIONS FOR WOMEN AND CHILDREN IN NEED
200	\$4,827,197	CENTERS FOR DISEASE CONTROL & PREVENTION	Hanna, Mona	CS MOTT DEPARTMENT OF PUBLIC HEALTH	FLINT REGISTRY (FR) 2022-2027
201	\$500,000	COMMUNITY FOUNDATION OF GREATER FLINT	Hanna, Mona	CS MOTT DEPARTMENT OF PUBLIC HEALTH	RX KIDS: PRENATAL AND INFANT ALLOWANCES IN FLINT, MI
202	\$1,228,171	NATIONAL INST OF MENTAL HEALTH	Johnson, Jennifer	CS MOTT DEPARTMENT OF PUBLIC HEALTH	THE ROSE SCALE-UP STUDY: INFORMING A DECISION ABOUT ROSE AS UNIVERSAL POSTPARTUM DEPRESSION PREVENTION
203	\$623,828	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Johnson, Jennifer	CS MOTT DEPARTMENT OF PUBLIC HEALTH	IPT FOR MAJOR DEPRESSION FOLLOWING PERINATAL LOSS
204	\$12,457	NATIONAL INST ON MINORITY HEALTH & HEALTH DISPARITIES	Key, Kent	CS MOTT DEPARTMENT OF PUBLIC HEALTH	FAMILY HEALTH HISTORIES: CREATING A CULTURALLY TAILORED TOOL TO REDUCE HEALTH DISPARITIES IN THE AFRICAN AMERICAN COMMUNITY
205	\$10,550	UNITED WAY FOR SOUTHEASTERN MICHIGAN	Ondersma, Steven	CS MOTT DEPARTMENT OF PUBLIC HEALTH	HT2 TECH MICHIGAN



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
206	\$196,985	REI COOPERATIVE ACTION FUND	Pearson, Amber	CS MOTT DEPARTMENT OF PUBLIC HEALTH	UNIVERSITY STUDENTS' DOSE OF NATURE AND POTENTIAL DISPARITIES AT HBCUS
207	\$680,304	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	Pearson, Amber	CS MOTT DEPARTMENT OF PUBLIC HEALTH	ILLUMINATING THE ROLE OF HISTORICAL STRUCTURAL RACISM IN THE NEIGHBORHOOD EXPOSOME AND MODERN-DAY CHILD MENTAL HEALTH
208	\$55,640	NATIONAL INST OF HEALTH	Chen, Honglei	EPIDEMIOLOGY AND BIOSTATISTICS	POOR SENSE OF SMELL AND THE HEALTH OF OLDER ADULTS
209	\$120,795	NATIONAL INST OF HEALTH	Kerver, Jean	EPIDEMIOLOGY AND BIOSTATISTICS	SUPPLEMENTAL FUNDING TO RC115711
210	\$4,091,115	NATIONAL INST OF HEALTH	Kerver, Jean	EPIDEMIOLOGY AND BIOSTATISTICS	PRENATAL EXPOSURES AND CHILD HEALTH OUTCOMES 2: INCREASING ECHO URBAN AND RURAL DIVERSITY
211	\$76,813	NATIONAL INST OF HEALTH	Lockhart, Elizabeth	EPIDEMIOLOGY AND BIOSTATISTICS	A MULTILEVEL, MULTIPHASE OPTIMIZATION STRATEGY FOR PREP: PATIENTS AND PROVIDERS IN PRIMARY CARE
212	\$57,469	MASSACHUSETTS GENERAL HOSPITAL	Reeves, Mathew	EPIDEMIOLOGY AND BIOSTATISTICS	ADDRESSING RACIAL/ETHNIC DISPARITIES IN STROKE CARE ACCESS USING HOSPITAL TRANSFER NETWORKS
213	\$559,403	NATIONAL INST OF HEALTH	Upson, Kristen	EPIDEMIOLOGY AND BIOSTATISTICS	CONTRACEPTIVE DMPA-INDUCED BONE LOSS: A NOVEL SOURCE OF TOXIC METAL LEAD EXPOSURE IN YOUNG WOMEN
214	\$574,233	NATIONAL INST OF HEALTH	Alshaarawy, Omayma	FAMILY MEDICINE, DEPARTMENT OF	CANNABIS USE AND CARDIOVASCULAR HEALTH OUTCOMES AMONG PATIENTS WITH HIGH BLOOD PRESSURE
215	\$48,600	CHILDHOOD ARTHRITIS & RHEUMATOLOGY RESEARCH ALLIANCE (CARRA)	Cunningham, Natoshia	FAMILY MEDICINE, DEPARTMENT OF	ENHANCING UNDERSTANDING AND CARE FOR YOUTH WITH CSLE EXPERIENCING ADVERSE CHILDHOOD EVENTS
216	\$36,269	UNIVERSITY OF ARIZONA	Sikorskii, Alla	HUMAN MEDICINE DEAN	ADAPTIVE SYMPTOM SELF-MANAGEMENT TO REDUCE PSYCHOLOGICAL DISTRESS AND IMPROVE SYMPTOM MANAGEMENT FOR SURVIVORS ON IMMUNE CHECKPOINT INHIBITORS
217	\$27,058	UNIVERSITY OF ARIZONA	Sikorskii, Alla	HUMAN MEDICINE DEAN	NEED-BASED ADAPTIVE SYMPTOM MANAGEMENT TO ADDRESS SOCIAL DETERMINANTS OF HEALTH AT INDIVIDUAL, INTERPERSONAL, AND COMMUNITY LEVELS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
218	\$31,243	AMER FOUNDATION FOR SUICIDE PREVENTION	Youssef, Nagy	HUMAN MEDICINE DEAN	EFFICACY OF LOW AMPLITUDE PULSE SEIZURE THERAPY (LAP-ST) VERSUS STANDARD ULTRA-BRIEF RIGHT UNILATERAL (RUL) ECT IN REMISSION OF SUICIDAL IDEATION
219	\$29,395	DUKE UNIV	Arora, Ripla	INSTITUTE FOR QUANTITATIVE HEALTH	SIRT1 AS A THERAPEUTIC TARGET IN ENDOMETRIOSIS
220	\$190,239	NATIONAL INST OF HEALTH	Kanada, Masamitsu	INSTITUTE FOR QUANTITATIVE HEALTH	ULTRASOUND-ASSISTED EXTRACELLULAR VESICLE ENGINEERING AND INDUCED RELEASE: EVEIR
221	\$599,140	NATIONAL INST OF NURSING RESEARCH	Baptist, Alan	MEDICINE	ASTHMA AND TECHNOLOGY IN EMERGING AFRICAN AMERICAN ADULTS (THE ATHENA PROJECT)
222	\$57,600	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Harduar Morano, Laurel	MEDICINE	ENHANCEMENT OF OCCUPATIONAL/ENVIRONMENTAL MEDICINE (PARTIAL FACULTY POSITION) (MDHHS TITLE: OCCUPATIONAL HEALTH SURVEILLANCE (AT))
223	\$452,185	NATIONAL HEART LUNG & BLOOD INST	Hong, Charles	MEDICINE	MECHANISTIC INSIGHTS INTO THE ROLE OF MICROTUBULE ORGANIZING CENTERS ON CARDIOMYOCYTE STRUCTURE AND FUNCTION
224	\$23,760	VANDERBILT UNIV	Hong, Charles	MEDICINE	MECHANISM OF WNT SIGNAL TRANSDUCTION
225	\$7,000	MICURX PHARMACEUTICALS, INC.	Mitra, Subhashis	MEDICINE	A PHASE 3, MULTICENTER, RANDOMIZED, DOUBLE-BLIND STUDY TO EVALUATE THE SAFETY AND EFFICACY OF CONTEZOLID ACEFOSAMIL AND CONTEZOLID COMPARED TO LINEZOLID ADMINISTERED INTRAVENOUSLY AND ORALLY TO ADULTS
226	\$57,219	NATIONAL INST OF HEALTH	Oloму, Adesuwa	MEDICINE	IMPROVING DIABETIC PATIENTS' ADHERENCE TO TREATMENT AND PREVENTION OF CARDIOVASCULAR DISEASE
227	\$99,959	AMER HEART ASSOC	Wang, Ling	MEDICINE	GENETIC POLYMORPHISMS AS PREDISPOSED RISK FOR APPARENT TREATMENT-RESISTANT HYPERTENSION IN CKD
228	\$55,081	UNIVERSITY OF MISSOURI	Arora, Ripla	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	MOLECULAR MECHANISMS OF ENDOMETRIAL PROGESTERONE RESISTANCE
229	\$333,110	NATIONAL INST OF HEALTH	Chandler, Ronald	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	EPIGENETIC REGULATORY MECHANISMS AND THERAPEUTIC OPPORTUNITIES IN ENDOMETRIOSIS
230	\$267,440	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)

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
231	\$7,500	INTERNATIONAL SOCIETY FOR THE STUDY OF WOMENS SEXUAL HEALTH	Poland, Cara	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	ASSESSING SEXUAL FUNCTION AMONG WOMEN RECEIVING MEDICATION FOR OPIOID USE DISORDER IN AN OBSTETRICS AND GYNECOLOGICAL CLINIC.
232	\$91,667	COREWELL HEALTH	Roman, Leeanne	OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO	STRONG BEGINNINGS, FEDERAL HEALTHY START
233	\$30,000	HEMOPHILIA FOUNDATION OF MICHIGAN	Jobe, Shawn	PEDIATRICS AND HUMAN DEVELOPMENT	HEMOPHILIA TREATMENT CENTERS (SPRANS)
234	\$75,027	NATIONAL HEART LUNG & BLOOD INST	Li, Xiaopeng	PEDIATRICS AND HUMAN DEVELOPMENT	ROLE OF DISRUPTED ASL PH REGULATION IN SMALL AIRWAYS IN CF LUNG DISEASE PATHOGENESIS
235	\$514,607	NATIONAL INST OF HEALTH	Li, Xiaopeng	PEDIATRICS AND HUMAN DEVELOPMENT	ROLE OF DISRUPTED ASL PH REGULATION IN SMALL AIRWAYS IN CF LUNG DISEASE PATHOGENESIS
236	\$24,752	COREWELL HEALTH	MacKeigan, Jeffrey	PEDIATRICS AND HUMAN DEVELOPMENT	NOVEL CD30 RADIOPHARMACEUTICAL DEVELOPMENT
237	\$84,140	CYSTIC FIBROSIS FOUNDATION	Thomas, Ryan	PEDIATRICS AND HUMAN DEVELOPMENT	MICHIGAN STATE UNIVERSITY CYSTIC FIBROSIS CENTER GRANT 2024
238	\$630,684	NATIONAL CANCER INST	Crawford, Howard	PHARMACOLOGY TOXICOLOGY HUMAN MEDICINE	COLLAGEN SIGNALING IN PANCREATIC CANCER
239	\$155,347	ELSA U PARDEE FOUNDATION	Horibata, Sachi	PHARMACOLOGY TOXICOLOGY HUMAN MEDICINE	STUDY OF TRANSCRIPTOMIC LANDSCAPE SHIFT BETWEEN PRE- AND POST-CHEMOTHERAPY TREATED ACUTE MYELOID LEUKEMIA
240	\$39,060	NATIONAL INST OF HEALTH	Moerland, Jess	PHARMACOLOGY TOXICOLOGY HUMAN MEDICINE	THE IMMUNOMODULATORY EFFECTS OF NRF2 ACTIVATION ON MACROPHAGES IN THE LUNG TUMOR MICROENVIRONMENT
241	\$431,168	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Xiong, Ye	PHYSIOLOGY HUMAN MEDICINE	ACSDKP AS A NOVEL TREATMENT FOR TRAUMATIC BRAIN INJURY
242	\$145,142	NATIONAL INST OF MENTAL HEALTH	Reffi, Anthony	PSYCHIATRY HUMAN MEDICINE	IDENTIFYING SLEEP-RELATED RISK FACTORS FOR PTSD AND THEIR UNDERLYING MECHANISMS
243	\$539,809	NATIONAL INST OF HEALTH	Moore, Anna	RADIOLOGY HUMAN MEDICINE	ANTI-MIR-10B NANODRUG FOR TREATMENT OF BREAST CANCER METASTASIS: STUDY IN COMPANION ANIMALS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
244	\$15,219	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY24 INTEGRATED CARE ASSESSMENT
245	\$952,368	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Collier, Kathy	TRANSLATIONAL NEUROSCIENCE	GENETIC SILENCING OF STRIATAL CAV1.3 CALCIUM CHANNELS AS A POTENT ANTIDYSKINETIC THERAPY FOR PD
246	\$156,507	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
247	\$68,880	KESSLER FOUNDATION	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	THE USE OF THE KF MODIFIED STORY MEMORY TECHNIQUE TO IMPROVE NEW LEARNING AND MEMORY IN INDIVIDUALS WITH MILD COGNITIVE IMPAIRMENT
248	\$52,701	NATIONAL INST OF HEALTH	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	TAU-MEDIATED REGULATION AND DYSREGULATION OF PROTEIN PHOSPHATASE 1
249	\$171,167	UNIVERSITY OF CENTRAL FLORIDA	Morgan, David	TRANSLATIONAL NEUROSCIENCE	INVESTIGATING THE ROLE OF ALZHEIMER'S DISEASE FAMILIAL MUTATIONS IN NEUROMUSCULAR PHYSIOLOGY
250	\$72,403	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	Sammi, Shreesh	TRANSLATIONAL NEUROSCIENCE	ELUCIDATION OF MITOCHONDRIAL MECHANISMS CRITICAL TO MEDIATING PFAS NEUROTOXICITY
251	\$156,896	UNIVERSITY OF MICHIGAN	Vega, Irving	TRANSLATIONAL NEUROSCIENCE	BRAIN HEALTH AND ETHNIC DISPARITIES IN ADRD RISK: THE CASE OF ARAB AMERICANS
<b>JAMES MADISON COLLEGE</b>					
252	\$28,000	INSTITUTE FOR HUMANE STUDIES	Wolf, Brianne	JAMES MADISON COLLEGE DEAN	FIFE FELLOWS: JMC PROGRAM IN POLITICAL ECONOMY AND CONSTITUTIONALISM (2024-2025)
<b>COLLEGE OF MUSIC</b>					
253	\$210,000	ERB FAMILY FOUNDATION	Johnson, Kristopher	COMMUNITY MUSIC SCHOOL	MSU COMMUNITY MUSIC SCHOOL-DETROIT JAZZ EDUCATION AND MENTORSHIP PROGRAM
254	\$33,500	WORTHINGTON FAMILY FOUNDATION	Helton, Melanie	MUSIC	CONTINUING THE MSU OPERA THEATRE EXPERIENCE: WORKING FOR STUDENT SUCCESS
<b>COLLEGE OF NATURAL SCIENCE</b>					
255	\$225,000	NATIONAL INST OF FOOD & AGRICULTURE	Fischer, Hillary	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	SMALL MOLECULES IN APHID SALIVA: COMPOSITION AND ROLE IN PLANT-APHID INTERACTIONS
256	\$647,668	US DEPT OF ENERGY	Grotewold, Erich	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	A SYSTEMS FRAMEWORK TO ENHANCE THE POTENTIAL OF CAMELINA AS OILSEED CROP

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
257	\$51,823	NATIONAL INST OF HEALTH	He, Jin	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	EPIGENETIC MECHANISMS OF HISTONE METHYLTRANSFERASE ASH1L IN AUTISM SPECTRUM DISORDER
258	\$352,218	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Hsu, Polly	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	REGULATION OF UPSTREAM OPEN READING FRAMES IN MRNA STABILITY AND TRANSLATION
259	\$38,985	NATIONAL INST OF HEALTH	Hu, Jian	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	TRANSPORT, SUBSTRATE SPECIFICITY AND REGULATION MECHANISMS OF THE ZIP TRANSITION METAL TRANSPORTERS
260	\$24,658	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Jones III, Arthur	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	ADVISING THE GRAYLING RESTORATION ADVISORY BOARD REGARDING ISSUES OF PFAS CONTAMINATION
261	\$19,562	NATIONAL INST OF HEALTH	Kuo, Min	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	A NOVEL NON-TRANSGENIC FLY MODEL FOR TAUOPATHIES
262	\$329,616	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Last, Robert	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	PLANT BIOTECHNOLOGY FOR HEALTH AND SUSTAINABILITY
263	\$96,998	NATIONAL INST OF HEALTH	Lohman, Jeremy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	MALONYL-THIOESTER ISOSTERES TO DETERMINE ENZYME STRUCTURE-FUNCTION RELATIONSHIPS
264	\$38,572	NATIONAL INST OF HEALTH	Parent, Kristin	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	BACTERIOPHAGE INTERACTIONS WITH ENTERIC PATHOGENS
265	\$603,193	NATIONAL SCIENCE FOUNDATION	Quinn, Robert	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	ORCC: THE ROLE OF BETAINE LIPID BIOCHEMISTRY IN CORAL THERMAL TOLERANCE
266	\$466,107	NATIONAL INST OF HEALTH	Ralston, Amy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	SIGNALING-REGULATED ESTABLISHMENT OF PLURIPOTENCY IN VIVO
267	\$174,537	NATIONAL SCIENCE FOUNDATION	Rhee, Seung	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	RCN: CREATING AND FOSTERING THE PLANT CELL ATLAS COMMUNITY
268	\$384,052	NATIONAL INST OF HEALTH	Skirycz, Aleksandra	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	PROTEIN-METABOLITE INTERACTION NETWORKS FOR FUNCTIONAL CHARACTERIZATION OF METABOLITES
269	\$400,000	NATIONAL SCIENCE FOUNDATION	Vo, Tommy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	HETEROCHROMATIN REGULATION BY ELONGATOR COMPLEX

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
270	\$7,260	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Andorfer, Mary	CHEMISTRY	INVESTIGATION AND APPLICATION OF HYDROCARBON-DEGRADING ENZYMES USING CRYO-ELECTRON MICROSCOPY AND DIRECTED EVOLUTION
271	\$450,938	NATIONAL SCIENCE FOUNDATION	Blanchard, Gary	CHEMISTRY	THE PIEZOELECTRIC EFFECT AND LONG RANGE ORDER IN ROOM TEMPERATURE IONIC LIQUIDS
272	\$30,974	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Hong, Heedeok	CHEMISTRY	FOLDING AND DEGRADATION OF MEMBRANE PROTEINS
273	\$29,074	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	ENABLING SYNTHESIS AND BIOLOGICAL STUDIES OF HOMOGENEOUS HEPARAN SULFATE AND CHONDROITIN SULFATE GLYCO-POLYPEPTIDES AND PROTEOGLYCANS
274	\$194,275	NATIONAL SCIENCE FOUNDATION	Odom, Aaron	CHEMISTRY	DISCOVERING DESIGN CRITERIA IN EARLY TRANSITION METAL CATALYSIS
275	\$86,188	OAKLAND UNIV	Smith, Ruth	CHEMISTRY	DEVELOPING A PORTABLE AND FAST OPIOID ASSESSMENT TOOL FOR IMPROVED FIELD DECISION-MAKING
276	\$90,000	OFFICE OF NAVAL RESEARCH	Swain, Greg	CHEMISTRY	SURFACE TREATMENT OF CARBON FIBER EPOXY COMPOSITES THROUGH DIAZONIUM ADMOLECULE MODIFICATION – A PROCESS FOR REDUCING GALVANIC CORROSION OF MECHANICALLY JOINED ALUMINUM ALLOYS
277	\$187,156	US DEPT OF ENERGY	Wang, Tuo	CHEMISTRY	ATOMIC RESOLUTION OF LIGNIN-CARBOHYDRATE INTERACTIONS IN NATIVE PLANT TISSUES FROM SOLID-STATE NMR
278	\$47,266	SPACE TELESCOPE SCIENCE INST	O'Shea, Brian	COMPUTATIONAL MATH SCI AND ENGR CNS	GAS AND GALAXIES THROUGH COSMIC TIME WITH ENZO-E
279	\$210,516	NATIONAL SCIENCE FOUNDATION	Wang, Jianrong	COMPUTATIONAL MATH SCI AND ENGR CNS	COLLABORATIVE RESEARCH: MODULUS: INTEGRATIVE MODELING, PREDICTION AND VALIDATION OF MULTI-SCALE DYNAMICS FOR 3D CHROMATIN STRUCTURES IN CELL DIFFERENTIATION
280	\$183,192	NATIONAL SCIENCE FOUNDATION	Wang, Jianrong	COMPUTATIONAL MATH SCI AND ENGR CNS	CAREER: DELINEATE CONTEXT-SPECIFIC GENE REGULATION IN 3D CHROMATIN SPACE
281	\$70,613	NATIONAL SCIENCE FOUNDATION	Wei, Songqiao	COMPUTATIONAL MATH SCI AND ENGR CNS	CAREER: MODIFICATION OF A CONTINENT: SEISMIC TOMOGRAPHY AND IMAGING OF THE NORTHERN AMERICAN LITHOSPHERE
282	\$196,466	NATIONAL SCIENCE FOUNDATION	Aho, Kelly	EARTH AND ENVIRONMENTAL SCIENCES	RAPID: INVASIVE HYDRILLA AND CARBON CYCLING: LEVERAGING AN ECOSYSTEM-SCALE HERBICIDE APPLICATION TO INVESTIGATE FEEDBACKS BETWEEN INVASIVE PLANTS AND GREENHOUSE GAS EMISSIONS
283	\$280,000	WATTTIME	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	ESTIMATING COUNTRY-LEVEL DIRECT N2O EMISSIONS FROM MANAGED AGRICULTURAL SOILS (PHASE 6)

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
284	\$299,996	US DEPT OF AGRICULTURE	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	SUSTAINABLE BIOFUEL FEEDSTOCKS
285	\$75,000	MERIDIAN INST	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	MORGAN STANLEY SUSTAINABLE SOLUTIONS COHORT 2021 PRIZE
286	\$322,499	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	MEASURING AND MODELING THE BENEFITS OF REGENERATIVE AGRICULTURAL PRACTICES IN THREE AGROECOSYSTEMS IN MICHIGAN
287	\$136,771	NATIONAL SCIENCE FOUNDATION	Elliott, Julie	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: DRIVING FORCES AT THE TOP OF THE WORLD: CHARACTERIZING THE KINEMATICS AND DYNAMICS OF THE EASTERN EURASIAN AND WESTERN NORTH AMERICAN ARCTIC
288	\$189,374	NATIONAL SCIENCE FOUNDATION	Freymueller, Jeffrey	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: THE M7.8 SIMEONOF EARTHQUAKE: UNTANGLING SLIP FROM SECONDS TO YEARS ACROSS THE EDGE OF THE SHUMAGIN SEISMIC GAP
289	\$800,000	NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	Freymueller, Jeffrey	EARTH AND ENVIRONMENTAL SCIENCES	DATA, MODELS, SOFTWARE TOOLS AND EDUCATION FOR ENHANCING GEODETIC INFRASTRUCTURE
290	\$39,998	NATIONAL SCIENCE FOUNDATION	Zarnetske, Jay	EARTH AND ENVIRONMENTAL SCIENCES	CAREER: TOWARDS FORECASTING WATERSHED ORGANIC CARBON FLUXES ACROSS FLOW REGIMES AND ECOREGIONS
291	\$145,149	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Cognato, Anthony	ENTOMOLOGY NATURAL SCIENCE	REVISION OF EUWALLACEA SPECIES (3.0327.01)
292	\$134,612	NATIONAL INST OF HEALTH	Reimers, Mark	INSTITUTE FOR QUANTITATIVE HEALTH	CRCNS: DYNAMICS OF THALAMOCORTICAL NETWORKS DURING SENSORY DISCRIMINATION
293	\$235,115	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Reimers, Mark	INSTITUTE FOR QUANTITATIVE HEALTH	HIGH RESOLUTION IMAGING OF CORTICAL ACTIVITY DURING MEMORY FORMATION AND RECALL
294	\$32,400	TSILHQOT'IN NATIONAL GOVERNMENT	Meek, Mariah	INTEGRATIVE BIOLOGY	STEELHEAD GENOTYPING FOR GENETIC STOCK IDENTIFICATION AT CHILCOTIN BASIN
295	\$100,000	US FISH & WILDLIFE SERVICE	Fitzpatrick, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	POWESHIEK SKIPPERLING EX-SITU AND GENOMIC ANALYSIS
296	\$749,999	NATIONAL INST OF FOOD & AGRICULTURE	Haddad, Nick	KELLOGG BIOLOGICAL STATION NAT SCI	DIVERSIFIED CROPPING SYSTEMS FOR BIODIVERSITY AND ECOSYSTEM SERVICES

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
297	\$59,225	US FISH & WILDLIFE SERVICE	Haddad, Nick	KELLOGG BIOLOGICAL STATION NAT SCI	MITCHELL'S SATYR BUTTERFLY EX-SITU MANAGEMENT AND RECOVERY EFFORTS AT THE JOHN BALL ZOO
298	\$867,000	AGRICULTURAL RESEARCH SERVICE	Robertson, Phil	KELLOGG BIOLOGICAL STATION NAT SCI	KELLOGG BIOLOGICAL STATION LONG-TERM AGROECOSYSTEM RESEARCH (LTAR)
299	\$9,600	MICHIGAN CROP IMPROVEMENT ASSOC	Wilke, Brook	KELLOGG BIOLOGICAL STATION NAT SCI	SUPPORTING WINTER RYE AND BARLEY PRODUCTION IN MICHIGAN FOR FOOD, FEED AND CRAFT BEVERAGES
300	\$19,830	NATIONAL SCIENCE FOUNDATION	Gerhardt, Teena	MATHEMATICS	THE 2024 GRADUATE STUDENT TOPOLOGY AND GEOMETRY CONFERENCE
301	\$132,792	SIMONS FOUNDATION	Hedden, Matthew	MATHEMATICS	FLOER HOMOLOGY AND LOW-DIMENSIONAL TOPOLOGY
302	\$377,995	NATIONAL INST OF HEALTH	Wei, Guowei	MATHEMATICS	DISCOVERY-DRIVEN MATHEMATICS AND ARTIFICIAL INTELLIGENCE FOR BIOSCIENCES AND DRUG DISCOVERY
303	\$747,825	NATIONAL INST OF HEALTH	Abramovitch, Robert	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	CHEMICAL BIOLOGY STUDIES OF MMPL3 INHIBITION AND RESISTANCE IN MYCOBACTERIA
304	\$359,866	NATIONAL INST OF HEALTH	Abramovitch, Robert	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	CHEMICAL GENETICS OF M. TUBERCULOSIS D0SRST SIGNALING AND PERSISTENCE
305	\$58,702	US ARMY RESEARCH OFFICE	Crosson, Sean	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	LEVERAGING ENVIRONMENTAL COMPLEXITY TO DEFINE BACTERIAL GENE FUNCTION
306	\$437,804	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	Crosson, Sean	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	REGULATION OF THE BRUCELLA ABORTUS GENERAL STRESS RESPONSE
307	\$23,550	NATIONAL INST OF HEALTH	DiRita, Victor	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	ROLE OF THE GUT METABOLITE LACTATE ON CAMPYLOBACTER JEJUNI PATHOGENICITY
308	\$36,601	NATIONAL INST OF HEALTH	O'Halloran, Thomas	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	REGULATORY ROLES OF ZINC FLUXES IN METALLOPROTEIN OCCUPANCY AND CELL CYCLE PROGRESSION



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
309	\$523,984	NATIONAL INST OF HEALTH	Olive, Andrew	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	REGULATORS OF IFN-GAMMA RESPONSES DURING MYCOBACTERIUM TUBERCULOSIS INFECTION
310	\$52,500	NATIONAL INST OF HEALTH	Pyeon, Dohun	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	CHEMOKINE-MEDIATED ANTIGEN-SPECIFIC T CELL RESPONSES AND IMMUNOTHERAPIES TO TREAT HEAD AND NECK CANCER
311	\$41,547	AGRICULTURAL RESEARCH SERVICE	Shames, Stephanie	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	EVALUATION OF SORGHUM BIOACTIVE COMPOUNDS AS ANTI-BACTERIAL AGENTS IN LEGIONELLA AND LISTERIA INFECTIONS
312	\$56,718	NATIONAL INST OF HEALTH	Waters, Christopher	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	THE CONTRIBUTION OF NOVEL CYTIDINE DEAMINASE REGULATORY SYSTEMS TO BACTERIAL EVOLUTION
313	\$52,372	NATIONAL INST OF HEALTH	Waters, Christopher	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	EXPLORING CYCLIC DI-NUCLEOTIDE SIGNALING ACROSS THE TREE OF LIFE
314	\$726,249	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	Xi, Zhiyong	MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS	EXPLORING WOLBACHIA FOR MALARIA CONTROL
315	\$117,778	NATIONAL SCIENCE FOUNDATION	Caballero, Danny	PHYSICS ASTRONOMY	COLLABORATIVE RESEARCH: FACILITATING CHANGE IN UNDERGRADUATE STEM: A MULTIDISCIPLINARY, MULTIMETHOD METASYNTHESIS MAPPING A DECADE OF GROWTH
316	\$766,689	NATIONAL SCIENCE FOUNDATION	Caballero, Danny	PHYSICS ASTRONOMY	COLLABORATIVE RESEARCH: A FACULTY DEVELOPMENT APPROACH TO TRANSFORMING UNDERGRADUATE PHYSICS EDUCATION THROUGH INTEGRATING COMPUTATION
317	\$91,592	UNIVERSITY OF WISCONSIN MADISON	DeYoung, Tyce	PHYSICS ASTRONOMY	MANAGEMENT AND OPERATIONS OF THE ICECUBE NEUTRINO OBSERVATORY 2021-2026
318	\$547,640	UNIVERSITY OF WISCONSIN MADISON	DeYoung, Tyce	PHYSICS ASTRONOMY	ICECUBE UPGRADE: AN ICECUBE EXTENSION FOR PRECISION NEUTRINO PHYSICS AND ASTROPHYSICS
319	\$202,109	COLUMBIA UNIV	Fisher, Wade	PHYSICS ASTRONOMY	LHC HIGH LUMINOSITY WBS 6.08.03.01 TRIGGER FRAMEWORK - MREFC - MSU
320	\$79,240	STONY BROOK UNIVERSITY	Fisher, Wade	PHYSICS ASTRONOMY	U.S. ATLAS OPERATIONS: DISCOVERY AND MEASUREMENT AT THE ENERGY FRONTIER

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
321	\$48,338	SPACE TELESCOPE SCIENCE INST	Kerzendorf, Wolfgang	PHYSICS ASTRONOMY	SOLVING THE TYPE IA SUPERNOVA PROGENITOR MYSTERY WITH LATE-TIME LIGHT CURVE MODELING OF HST
322	\$119,000	US DEPT OF ENERGY	Lin, Huey-Wen	PHYSICS ASTRONOMY	EXCLAIM - EXCLUSIVES VIA ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
323	\$161,301	US DEPT OF ENERGY	Zhang, Pengpeng	PHYSICS ASTRONOMY	MICROSCOPIC UNDERSTANDING OF THIN FILM GROWTH AND SUBSTRATE ENGINEERING OF ORGANIC CHARGE TRANSFER COMPLEXES
324	\$52,637	NATIONAL INST OF HEALTH	Chargo, Nick	PHYSIOLOGY NATURAL SCIENCE	CRITICAL ROLE OF THE GUT MICROBIOTA IN PRUNES' PREVENTION OF GLUCOCORTICOID INDUCED OSTEOPOROSIS
325	\$330,478	NATIONAL INST OF HEALTH	Gulbransen, Brian	PHYSIOLOGY NATURAL SCIENCE	REGULATION OF ENTERIC MOTOR NEURO CIRCUITS BY ENTERIC GLIA IN HEALTH AND DISEASE
326	\$94,444	SANFORD RESEARCH	Laumet, Geoffroy	PHYSIOLOGY NATURAL SCIENCE	INTRA-TUMORAL NEURONS CONTRIBUTE TO HEAD AND NECK CANCER PAIN
327	\$23,404	NATIONAL INST OF HEALTH	Liang, Yun	PHYSIOLOGY NATURAL SCIENCE	UNDERSTANDING THE IMMUNOMETABOLIC MECHANISM OF VGLL3 MEDIATING FEMALE-BIASED AUTOIMMUNITY
328	\$196,250	NATIONAL INST OF HEALTH	Mazei-Robison, Michelle	PHYSIOLOGY NATURAL SCIENCE	ROLE FOR NOVEL VENTRAL TEGMENTAL AREA NEUROMEDIN S NEURONS IN MORPHINE RESPONSES
329	\$82,901	UNIVERSITY OF CALIFORNIA DAVIS	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	DEVELOPMENTAL PROGRAMMING OF STRESS-SENSITIVE NEURAL CIRCUITS UNDERLYING SOCIAL BEHAVIOR
330	\$605,658	NATIONAL INST OF HEALTH	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	PROJECTION-SPECIFIC GENE EXPRESSION IN RESILIENCE TO CHRONIC STRESS
331	\$590,233	NATIONAL INST OF HEALTH	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	TRANSCRIPTIONAL MECHANISMS IN MAST CELLS UNDERLYING IMMUNE FUNCTION AND DISEASE
332	\$48,766	NATIONAL INST OF HEALTH	Wang, Hongbing	PHYSIOLOGY NATURAL SCIENCE	MECHANISM UNDERLYING COGNITIVE AND SYNAPTIC FLEXIBILITY
333	\$140,519	NATIONAL SCIENCE FOUNDATION	Case, Andrea	PLANT BIOLOGY CNS	BEE: ECOLOGICAL AND EVOLUTIONARY PROCESSES AFFECTING THE CO-EXISTENCE OF CLOSE RELATIVES
334	\$342,396	NATIONAL SCIENCE FOUNDATION	Long, Tammy	PLANT BIOLOGY CNS	MCA: ADVANCING AUTUMN PHENOLOGY RESEARCH THROUGH THE INTEGRATION AND ANALYSIS OF TWO LONG-TERM OBSERVATIONAL STUDIES

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
335	\$82,011	NATIONAL INST OF HEALTH	Brandizzi, Federica	PLANT RESEARCH LABORATORY NAT SCIENCE	UNFOLDED PROTEIN RESPONSE IN THE MODEL SPECIES ARABIDOPSIS THALIANA
336	\$49,687	AGRICULTURAL RESEARCH SERVICE	Hu, Jianping	PLANT RESEARCH LABORATORY NAT SCIENCE	COMPARATIVE AND FUNCTIONAL GENOMICS FOR GENE DISCOVERY
337	\$1,425,435	US DEPT OF ENERGY	Kerfeld, Cheryl	PLANT RESEARCH LABORATORY NAT SCIENCE	THE CENTER FOR CATALYSIS IN BIOMIMETIC CONFINEMENT (CCBC)
338	\$375,308	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Vermaas, Josh	PLANT RESEARCH LABORATORY NAT SCIENCE	COMPUTATIONAL EXPLORATION OF PLANT NATURAL PRODUCTS BIOACTIVITY AND BIOAVAILABILITY IN HUMAN HEALTH
339	\$823,311	NATIONAL SCIENCE FOUNDATION	Walker, Berkley	PLANT RESEARCH LABORATORY NAT SCIENCE	COLLABORATIVE RESEARCH: METABOLIC FLUXES FROM THE CALVIN-BENSON CYCLE THROUGH THE PARALLEL SHIKIMATE AND NON-SHIKIMATE PATHWAYS IN PLANTS
340	\$170,000	NATIONAL SCIENCE FOUNDATION	Cao, Guanqun	STATISTICS PROBABILITY	NEXT-GENERATION FUNCTIONAL DATA ANALYSIS VIA MACHINE LEARNING
341	\$15,624	OHIO UNIV	Viens, Frederi	STATISTICS PROBABILITY	FRAMEWORKS: BAYESIAN ANALYSIS FOR NUCLEI IN DIVERSE THEORIES
342	\$107,255	NATIONAL SCIENCE FOUNDATION	Xiao, Yimin	STATISTICS PROBABILITY	ANALYSIS AND GEOMETRY OF RANDOM FIELDS RELATED TO STOCHASTIC PARTIAL DIFFERENTIAL EQUATIONS AND RANDOM MATRICES
<b>COLLEGE OF NURSING</b>					
343	\$171,256	NATIONAL INST OF NURSING RESEARCH	Chen, Angela Chia-Chen	NURSING	PILOT TESTING OF A GAME-BASED INTERVENTION TO PROMOTE HPV VACCINATION IN FAMILIES WITH UNVACCINATED CHILDREN
344	\$13,226	HEALTH RESOURCES & SERVICES ADMINISTRATION	Lourens, Gayle	NURSING	NURSE ANESTHETIST TRAINEESHIPS
345	\$12,000	AMERICAN ASSOCIATION OF COLLEGES OF NURSING	Robbins, Lorraine	NURSING	JONAS SCHOLAR PROGRAM
<b>COLLEGE OF OSTEOPATHIC MEDICINE</b>					
346	\$78,667	INDOOR BIOTECHNOLOGIES, INC	Chruszcz, Maksymilian	BIOCHEMISTRY AND MOLECULAR BIOLOGY COM	ANTIGENIC DETERMINANTS OF ASTHMA-ASSOCIATED ALLERGENS FOR DESIGN OF IMMUNOTHERAPY

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
347	\$214,207	HENRY M JACKSON FOUNDATION FOR ADVANCEMENT OF MILITARY MED	Chruszcz, Maksymilian	BIOCHEMISTRY AND MOLECULAR BIOLOGY COM	VALIDATION OF NOVEL LY6K TARGETING SMALL MOLECULE INHIBITORS AND THEIR STRUCTURAL ANALOGUES FOR TREATMENT OF TRIPLE NEGATIVE BREAST CANCER
348	\$17,678	XENON PHARMACEUTICALS INC	Burghardt, Tyson	NEUROLOGY AND OPHTHALMOLOGY COM	A MULTICENTER, OPEN-LABEL, LONG-TERM, SAFETY, TOLERABILITY, AND EFFICACY STUDY OF XEN1101 IN ADULTS DIAGNOSED WITH EPILEPSY
349	\$8,678	XENON PHARMACEUTICALS INC	Burghardt, Tyson	NEUROLOGY AND OPHTHALMOLOGY COM	A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTICENTER, PHASE 3 STUDY TO EVALUATE THE SAFETY, TOLERABILITY, AND EFFICACY OF XEN1101 AS ADJUNCTIVE THERAPY IN PRIMARY GENERALIZED
350	\$39,988	XENON PHARMACEUTICALS INC	Burghardt, Tyson	NEUROLOGY AND OPHTHALMOLOGY COM	A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTICENTER PHASE 3 STUDY TO EVALUATE THE SAFETY, TOLERABILITY, AND EFFICACY OF XEN1101 AS ADJUNCTIVE THERAPY IN FOCAL-ONSET SEIZURES
351	\$12,262	CEREVEL THERAPEUTICS LLC	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	58-WEEK OPEN-LABEL TRIAL OF TAVAPADON IN PARKINSON'S DISEASE (TEMPO-4 TRIAL)
352	\$12,004	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
353	\$8,168	INHIBIKASE THERAPEUTICS	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL OF IKT-148009 IN UNTREATED PARKINSON'S DISEASE
354	\$5,336	LUNDBECK NA LTD	Khalil, Suad	NEUROLOGY AND OPHTHALMOLOGY COM	LONG-TERM, OPEN-LABEL (DOSE-BLINDED), EXTENSION STUDY OF EPTINEZUMAB IN CHILDREN AND ADOLESCENTS WITH CHRONIC OR EPISODIC MIGRAINE
355	\$117,939	IMMUNOVANT SCIENCES GMBH	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, MULTI-CENTER, RANDOMIZED, QUADRUPLE-BLIND, PLACEBO-CONTROLLED STUDY TO ASSESS THE EFFICACY AND SAFETY OF BATOCLIMAB AS INDUCTION AND MAINTENANCE THERAPY IN ADULT PARTICIPANTS WITH
356	\$27,889	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
357	\$8,074	ARGENX BVBA	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 2/3, RANDOMIZED, DOUBLE-BLINDED, PLACEBO-CONTROLLED, PARALLEL-GROUP, 2-ARM, MULTICENTER, OPERATIONALLY SEAMLESS STUDY TO EVALUATE THE EFFICACY, SAFETY, TOLERABILITY, PHARMACODYNAMICS, PHARMACO

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
358	\$41,319	EISAI INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	EISAI BAN2401-G000-201 OPEN LABEL EXTENSION
359	\$108,327	ALEXION PHARMACEUTICALS INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL, MULTICENTER STUDY TO EVALUATE THE SAFETY AND EFFICACY OF ALXN1720 IN ADULTS WITH GENERALIZED MYASTHENIA GRAVIS
360	\$34,339	BAYER PHARMACEUTICALS	Seol, Hyeyoung	NEUROLOGY AND OPHTHALMOLOGY COM	BAYER-OCEANIC STROKE
361	\$14,824	ALBERT EINSTEIN COLLEGE OF MEDICINE INC	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	DEFINING THE MECHANISM OF COMA IN CEREBRAL MALARIA
362	\$516,591	NATIONAL INST OF HEALTH	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	IDENTIFYING FUNCTIONAL ANTIBODY RESPONSES THAT PROTECT AGAINST MALARIA IN CHILDREN
363	\$423,319	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Dorrance, Anne	PHARMACOLOGY TOXICOLOGY	INTEGRATIVE PHARMACOLOGICAL SCIENCES TRAINING PROGRAM (IPSTP)
364	\$62,470	NATIONAL INST OF HEALTH	Lee, Kin Sing	PHARMACOLOGY TOXICOLOGY	DEVELOPMENT OF SOLUBLE EPOXIDE HYDROLASE INHIBITORS FOR THE TREATMENT OF ALZHEIMER'S DISEASE
365	\$467,030	NATIONAL INST OF HEALTH	Tewari-Singh, Neera	PHARMACOLOGY TOXICOLOGY	UNDERSTANDING MUSTARD VESICANTS DISTRIBUTION AND TOXICITY IN THE EYE USING IN VIVO AND IN SILICO MODELS
366	\$215,498	NATIONAL INST OF HEALTH	Watts, Stephanie	PHARMACOLOGY TOXICOLOGY	PERIVASCULAR ADIPOSE TISSUE (PVAT) AS A CENTRAL INTEGRATOR OF VASCULAR HEALTH
<b>COLLEGE OF SOCIAL SCIENCE</b>					
367	\$27,049	GRAND TRAVERSE COUNTY	Cavanagh, Caitlin	CRIMINAL JUSTICE	GRAND TRAVERSE COUNTY JUVENILE COURT
368	\$445,000	MICHIGAN STATE POLICE	Holt, Karen	CRIMINAL JUSTICE	2023 SEXUAL ASSAULT KIT INITIATIVE
369	\$82,750	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	Maxwell, Christopher	CRIMINAL JUSTICE	MEDICATION ADMINISTRATION AND CHEMICAL RESTRAINTS IN FAMILY CAREGIVING FOR ALZHEIMER'S DISEASE AND RELATED DEMENTIA
370	\$74,043	BATTLE CREEK COMMUNITY FOUNDATION	Melde, Christopher	CRIMINAL JUSTICE	WDMI PSN RESEARCH PARTNERSHIP

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
371	\$125,000	COMMUNITY FOUNDATION FOR SOUTHEAST MICHIGAN	Wolfe, Scott	CRIMINAL JUSTICE	POLICE TRAINING EVALUATION IN SOUTHEAST MICHIGAN
372	\$53,990	SYNOPTIC DATA CORP	Andresen, Jeffrey	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	NATIONAL MESONET PROGRAM FOR MSU ENVIROWEATHER EFFORT
373	\$24,993	USDA FOREST SERVICE	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	LEGACY TEUI DATA DIGITIZATION PROJECT FOR HURON-MANISTEE NATIONAL FORESTS
374	\$267,076	NATIONAL SCIENCE FOUNDATION	Dahlin, Kyla	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	CAREER: PLANT TRAITS LINK DISTURBANCE HISTORY TO CARBON UPTAKE ACROSS SPATIOTEMPORAL SCALES
375	\$297,571	NATIONAL SCIENCE FOUNDATION	Dahlin, Kyla	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	COLLABORATIVE RESEARCH: MRA: DO STRUCTURAL AND FUNCTIONAL DIVERSITY DRIVE ECOSYSTEM-CLIMATE COUPLING? USING NEON TO TRANSFORM ECOLOGICAL MODEL PARADIGMS ACROSS CLIMATE SCALES
376	\$44,500	SCHLUMBERGER FOUNDATION	Luo, Lifeng	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	FELLOWSHIP SUPPORT FOR COUMBA NIANG
377	\$82,805	TUFTS UNIV	Chen, Jiquan	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	DECODING LAND TRANSITIONS ACROSS THE URBAN-RURAL CONTINUUMS (URC): A SYNTHESIS STUDY OF PATTERNS, DRIVERS, AND SOCIO-ENVIRONMENTAL IMPACTS IN SOUTHEAST ASIA
378	\$46,782	COLORADO STATE UNIV	Henebry, Geoffrey	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	UNDERSTANDING URBAN CENTERS AS ECOLOGICAL TRAPS FOR AVIAN MIGRANTS
379	\$651,000	NATIONAL SCIENCE FOUNDATION	Moran, Emilio	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	NSF-NFRF: INDIGENOUS-LED ACTIONS AND SOLUTIONS FOR FOOD-WATER-ENERGY
380	\$347,506	INST OF EDUCATION SCIENCES	Bowles, Ryan	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	DEVELOPMENT AND VALIDATION OF COMPLEMENTARY MEASURES OF EARLY WRITING: TEACHER PRACTICES AND CHILD OUTCOMES

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
381	\$488,388	US DEPT OF EDUCATION	Douglas, Sarah	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	THE DEVELOPMENT AND TESTING OF A PROFESSIONAL DEVELOPMENT AND TELEPRACTICE INTERVENTION TO SUPPORT FAMILY MEMBER USE OF AUGMENTATIVE AND ALTERNATIVE COMMUNICATION
382	\$97,133	CACS HEAD START	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	HEAD START PRESCHOOL SERVICES - EAST LANSING
383	\$119,388	CACS HEAD START	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	HEAD START PRESCHOOL SERVICES - HASLETT
384	\$348,657	NATIONAL ENDOWMENT FOR THE HUMANITIES	Veit, Helen	MATRIX HUM ARTS LETTERS SOC SCI ONLINE	AMERICA IN THE KITCHEN
385	\$36,598	RTI INTL	Campbell, Rebecca	PSYCHOLOGY SOCIAL SCIENCE	SAKI TTA PROJECT (SEXUAL ASSAULT KIT INITIATIVE TRAINING AND TECHNICAL ASSISTANCE PROJECT)
386	\$25,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Carter, Dorothy	PSYCHOLOGY SOCIAL SCIENCE	NASA RESEARCH AND TECHNOLOGY DEVELOPMENT TO SUPPORT CREW HEALTH AND PERFORMANCE IN SPACE EXPLORATION MISSIONS
387	\$47,874	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Gregory, Katie	PSYCHOLOGY SOCIAL SCIENCE	MIVAN CAPACITY BUILDING
388	\$129,283	UNIVERSITY OF PENNSYLVANIA	Ingersoll, Brooke	PSYCHOLOGY SOCIAL SCIENCE	ADAPTIVE TRIAL OF PARENT EMPOWERMENT AND COACHING IN EARLY INTERVENTION: AT PEACE STUDY.
389	\$604,061	NATIONAL INST OF HEALTH	Ingersoll, Brooke	PSYCHOLOGY SOCIAL SCIENCE	2/4: IMPROVING THE PART C EARLY INTERVENTION SERVICE DELIVERY SYSTEM FOR CHILDREN WITH ASD: A RANDOMIZED CLINICAL TRIAL
390	\$74,621	NATIONAL INST OF MENTAL HEALTH	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	HORMONAL MECHANISMS OF PERIMENOPAUSAL RISK FOR PSYCHOSIS IN WOMEN
391	\$48,974	NATIONAL INST OF HEALTH	Leininger, Gina	PSYCHOLOGY SOCIAL SCIENCE	ROLE OF CENTRAL NEUROTENSIN SIGNALING IN THE VENTRAL TEGMENTAL AREA FOR INGESTIVE BEHAVIOR AND BODY WEIGHT
392	\$384,434	NATIONAL INST OF HEALTH	Liu, Taosheng	PSYCHOLOGY SOCIAL SCIENCE	REPRESENTATION OF ATTENTIONAL PRIORITY FOR VISUAL FEATURES IN THE HUMAN BRAIN
393	\$76,122	COLUMBIA UNIV	Moser, Jason	PSYCHOLOGY SOCIAL SCIENCE	NEURALLY TARGETED GROUP INTERVENTION TO REDUCE EARLY CHILDHOOD ANXIETY
394	\$252,831	NATIONAL SCIENCE FOUNDATION	Neal, Zachary	PSYCHOLOGY SOCIAL SCIENCE	DEVELOPING GUIDELINES FOR REPORTING ABOUT NETWORK DATA

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/Director</b>	<b>Unit</b>	<b>Project Title</b>
395	\$534,452	NATIONAL INST OF HEALTH	Puckett, Jae	PSYCHOLOGY SOCIAL SCIENCE	MODELING RESILIENCE AS A MULTIDIMENSIONAL PROTECTIVE FACTOR FOR TRANSGENDER HEALTH DISPARITIES: MEASURE DEVELOPMENT AND LONGITUDINAL EVALUATION OF RESILIENCE
396	\$9,099	OHIO STATE UNIV	Thakkar, Katharine	PSYCHOLOGY SOCIAL SCIENCE	DISRUPTED EYE GAZE PERCEPTION AS A BIOBEHAVIORAL MARKER OF SOCIAL DYSFUNCTION: AN RDOC INVESTIGATION
397	\$38,311	NATIONAL INST OF HEALTH	Veenema, Alexa	PSYCHOLOGY SOCIAL SCIENCE	OXYTOCIN NEURAL CIRCUITRY INVOLVEMENT IN JUVENILE SOCIAL PLAY
398	\$6,009	UNIVERSITY OF MICHIGAN	Yan, Lili	PSYCHOLOGY SOCIAL SCIENCE	ELECTROPHYSIOLOGIC CHARACTERIZATION OF CIRCADIAN RHYTHMS OF PREFRONTAL CORTICAL NETWORK STATES IN A DIURNAL RODENT
399	\$498,358	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Hughes, Anne	SOCIAL WORK	MASTER SOCIAL WORK STUDENTS SUPPORT PROJECT
400	\$395,638	CENTERS FOR DISEASE CONTROL & PREVENTION	McCauley, Heather	SOCIAL WORK	THE PUBLIC WILL CAMPAIGN: SHIFTING SOCIAL NORMS TO PREVENT CHILD SEXUAL ABUSE
401	\$224,976	MICHIGAN DEPT OF TECHNOLOGY MANAGEMENT & BUDGET	Villagrana, Kalah	SOCIAL WORK	IN-SERVICE CHILD WELFARE TRAINING
402	\$1,125,417	US ARMY RESEARCH OFFICE	Woodward, Amanda	SOCIAL WORK	IMPROVING PSYCHOSOCIAL SUPPORT FOR MESOTHELIOMA CAREGIVERS THROUGH A PARTICIPANT-CENTERED ONLINE SUPPORT GROUP
403	\$15,141	UNIVERSITY OF MICHIGAN	Woodward, Amanda	SOCIAL WORK	MICHIGAN CENTER FOR URBAN AFRICAN AMERICAN AGING RESEARCH (MCUAAAR)
404	\$31,535	UNIVERSITY OF SOUTH FLORIDA	Gasteyer, Stephen	SOCIOLOGY SOCIAL SCIENCE	NSF CONVERGENCE ACCELERATOR TRACK K: TOWARDS RESILIENT, EQUITABLE, SAFE AND SUSTAINABLE WATER FOR ISLANDS (RESSI-H2O)
405	\$21,955	CANADIAN INSTITUTE FOR ADVANCED RESEARCH	Ren, Xuefei	SOCIOLOGY SOCIAL SCIENCE	CANADIAN INSTITUTE FOR ADVANCED RESEARCH FELLOWSHIP HUMANITY'S URBAN FUTURE PROGRAM
<b>OFFICE OF UNDERGRADUATE EDUCATION</b>					
406	\$425,000	US DEPT OF EDUCATION	Garcia, Luis	MIGRANT STUDENT SERVICES	COLLEGE ASSISTANCE MIGRANT PROGRAM
407	\$474,999	US DEPT OF EDUCATION	Garcia, Luis	MIGRANT STUDENT SERVICES	MICHIGAN STATE UNIVERSITY HEP (HIGH SCHOOL EQUIVALENCY PROGRAM)
408	\$113,118	NATIONAL ACADEMY OF EDUCATION	Huitzilopochtli, Salvador	UNDERGRADUATE EDUCATION ADMINISTRATION	EQUITY IN MATH EDUCATION RESEARCH GRANTS (EMERG) PROGRAM



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
<b>COLLEGE OF VETERINARY MEDICINE</b>					
409	\$150,000	NATIONAL INST OF FOOD & AGRICULTURE	Abou Rjeileh, Ursula	LARGE ANIMAL CLINICAL SCIENCES	OLEIC ACID PROMOTES LIPID ACCUMULATION AND ENHANCES MITOCHONDRIAL FUNCTION THROUGH PLIN5 IN BOVINE ADIPOCYTES
410	\$300,000	NATIONAL INST OF FOOD & AGRICULTURE	Ruegg, Pamela	LARGE ANIMAL CLINICAL SCIENCES	UNDERSTANDING AND REDUCING BARRIERS TO ANTIMICROBIAL STEWARDSHIP ON DAIRY FARMS
411	\$180,000	NATIONAL INST OF FOOD & AGRICULTURE	Smith, Madison	LARGE ANIMAL CLINICAL SCIENCES	ENDOCANNABINOIDS MODULATE MACROPHAGE INFLAMMATORY PHENOTYPE AND LIPOLYSIS IN PERIPARTURIENT DAIRY COWS' ADIPOSE TISSUES
412	\$137,196	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Kebus, Myron	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	STRENGTHENING THE FISH FARM VETERINARY WORKFORCE, FISH FARM BIOSECURITY, AND ENHANCING AQUATIC ANIMAL DISEASE PREPAREDNESS AND RESPONSE IN THE NORTH CENTRAL REGION
413	\$349,962	US FISH & WILDLIFE SERVICE	Loch, Thomas	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	ENHANCING GREAT LAKES LAKE STURGEON RESTORATION VIA THE DEVELOPMENT OF NOVEL LAKE STURGEON HERPESVIRUS DETECTION AND TRANSMISSION PREVENTION METHODS
414	\$391,597	NATIONAL INST OF HEALTH	Luyendyk, James	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	NOVEL COAGULATION-DEPENDENT MECHANISMS OF LIVER REGENERATION TO DETECT AND PREVENT LIVER DYSFUNCTION AFTER PARTIAL HEPATECTOMY
415	\$14,885	MICHIGAN TECH ENTERPRISE CORPORATION	Manfredi, Jane	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	EAGLE PROSIX'S EFFECT ON IMPROVING A HORSE'S GAIT AND MUSCLE SYMMETRY
416	\$383,160	NATIONAL INST OF HEALTH	Petroff, Margaret	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	MATERNAL CENTRAL IMMUNE TOLERANCE IN REPRODUCTION
417	\$187,734	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	Rogovsky, Artem	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	CHARACTERIZATION OF VSP/VLP SYSTEM OF BORRELIA RECURRENTIS
418	\$187,734	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	Rogovsky, Artem	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	A MURINE MODEL OF LYME NEUROBORRELIOSIS
419	\$650,000	NATIONAL INST OF FOOD & AGRICULTURE	Sreevatsan, Srinand	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	A NOVEL PROBIOTIC BASED ORAL DELIVERY VACCINE FOR BOVINE TUBERCULOSIS
420	\$19,974	CANINE HEALTH FOUNDATION	Jablonski, Sara	SMALL ANIMAL CLINICAL SCIENCES	SCREENING FOR GENETIC VARIANTS USING WHOLE EXOME SEQUENCING IN DOGS WITH PROTEIN-LOSING ENTEROPATHY

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
421	\$166,686	FOUNDATION FIGHTING BLINDNESS INC	Petersen-Jones, Simon	SMALL ANIMAL CLINICAL SCIENCES	CHARACTERIZATION OF A LARGE ANIMAL STARGARDT DISEASE MODEL – SUITABILITY FOR TRANSLATIONAL THERAPY TRIALS
422	\$106,300	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Dodd, Kimberly	VETERINARY DIAGNOSTIC LABORATORY	MSU VDL FY 24 NAHLN LABORATORY LEVEL ONE DESIGNATION - FARM BILL FUNDING
<b>FACILITY FOR RARE ISOTOPE BEAMS</b>					
423	\$52,816,000	US DEPT OF ENERGY	Glasmacher, Thomas	FACILITY FOR RARE ISOTOPE BEAMS	OPERATION OF THE FACILITY FOR RARE ISOTOPE BEAMS AS SCIENTIFIC USER FACILITY
424	\$2,127,924	US DEPT OF ENERGY	Glasmacher, Thomas	FACILITY FOR RARE ISOTOPE BEAMS	HIGH RIGIDITY SPECTROMETER PROJECT
425	\$300,000	US DEPT OF ENERGY	Hao, Yue	FACILITY FOR RARE ISOTOPE BEAMS	DEVELOPMENT OF DIFFERENTIABLE BEAM DYNAMICS SIMULATION TOOLS INCLUDING COLLECTIVE EFFECTS FOR HEP ACCELERATOR APPLICATIONS
426	\$75,072	STANFORD LINEAR ACCELERATOR CENTER	Hao, Yue	FACILITY FOR RARE ISOTOPE BEAMS	PHD THESIS RESEARCH WORK OF RYAN YEUNG AT SLAC, ADVISED BY DR. YUE HAO
427	\$131,000	US DEPT OF ENERGY	Hao, Yue	FACILITY FOR RARE ISOTOPE BEAMS	6-D ANALYSIS OF NONLINEAR DYNAMICS USING SQUARE MATRIX METHOD
428	\$70,998	ARGONNE NATIONAL LABORATORY	Hao, Yue	FACILITY FOR RARE ISOTOPE BEAMS	USE OF ARTIFICIAL INTELLIGENCE TO OPTIMIZE ACCELERATOR OPERATIONS AND IMPROVE MACHINE PERFORMANCE
429	\$337,500	NATIONAL SCIENCE FOUNDATION	Lynch, William	FACILITY FOR RARE ISOTOPE BEAMS	WINDOW ON THE UNIVERSE: EQUATION OF STATE OF ASYMMETRIC NUCLEAR MATTER
430	\$240,000	US DEPT OF ENERGY	Nazarewicz, Witold	FACILITY FOR RARE ISOTOPE BEAMS	NUCLEAR COMPUTATIONAL LOW ENERGY INITIATIVE (NUCLEI)
431	\$1,470,000	US DEPT OF ENERGY	Ostroumov, Peter	FACILITY FOR RARE ISOTOPE BEAMS	MSU TRAINEESHIP PROGRAM TO ADDRESS CRITICAL WORKFORCE NEEDS IN ACCELERATOR SCIENCE & ENGINEERING
432	\$1,063,592	NATIONAL SCIENCE FOUNDATION	Spyrou, Artemisia	FACILITY FOR RARE ISOTOPE BEAMS	WINDOWS ON THE UNIVERSE: NUCLEAR ASTROPHYSICS AT FRIB

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
433	\$205,000	US DEPT OF ENERGY	Wrede, Christopher	FACILITY FOR RARE ISOTOPE BEAMS	MACHINE LEARNING FOR TIME PROJECTION CHAMBERS AT FRIB
434	\$9,300	FERMI NATIONAL ACCELERATOR LABORATORY	Xu, Ting	FACILITY FOR RARE ISOTOPE BEAMS	SRF ROBOTIC ASSEMBLY PROGRAMMING DEVELOPMENT
<b>ASC PROV FOR UNIV OUTREACH ENGAGEMENT</b>					
435	\$160,000	CLINTON COUNTY REGIONAL EDUCATIONAL SERVICE AGENCY	Wu, Jamie	COMMUNITY EVALUATION AND RSCH COLLABRTVE	STRONG BEGINNINGS STATE EVALUATION PROJECT
436	\$530,000	MICHIGAN DEPT OF LIFELONG EDUCATION ADVANCEMENT AND POTENTIAL	Wu, Jamie	COMMUNITY EVALUATION AND RSCH COLLABRTVE	MICHIGAN 21ST CENTURY COMMUNITY LEARNING CENTERS STATE EVALUATION PROJECT
437	\$50,000	CORP FOR NATIONAL & COMMUNITY SERVICE AMERICORPS	Barnes Najor, Jessica	OUTREACH AND ENGAGEMENT PARTNERSHIPS	MSU STATE OPIOID PROJECT
<b>INTERNATIONAL STUDIES AND PROGRAMS</b>					
438	\$128,000	FORD FOUNDATION	Zulu, Leo	AFRICAN STUDIES CENTER	MSU CHINESE IN AFRICA/AFRICANS IN CHINA (CA/AC)
439	\$59,983	US DEPT OF EDUCATION	Ranjan, Rajiv	ASIAN STUDIES CENTER	LCTLS OER COLLABORATIVE: ENHANCING LANGUAGE TEACHING THROUGH OER LANGUAGE TEXTBOOK DEVELOPMENT AND PARTNERSHIPS
440	\$31,957	PEACE CORPS	Green, Ashley	INTERNATIONAL STUDIES AND PROGRAMS DEAN	PROPOSAL TO SERVE AS PEACE CORPS RECRUITING OFFICE
441	\$74,995	US DEPT OF STATE	McCracken, Benjamin	INTERNATIONAL STUDIES AND PROGRAMS DEAN	JCMU AMBASSADOR'S YOUTH COUNCIL (AYC) KANSAI - COHORT 6 AND UNIVERSITY NETWORK IMPLEMENTATION
<b>LIBRARIES</b>					
442	\$1,000,000	NATIONAL HISTORICAL PUBLICATIONS & RECORDS COMMISSION	Miller, Terri	LIBRARIES	PRESERVATION AND DIGITIZATION OF EARLY MICHIGAN PUBLIC TELEVISION
<b>MSU AGBIORESEARCH</b>					
443	\$3,000,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Averill, James	ABR DIRECTORS OFFICE	MICHIGAN ALLIANCE FOR ANIMAL AGRICULTURE - 2024

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
444	\$199,065	NATIONAL OPINION RESEARCH CENTER	Payumo, Jane	ABR DIRECTORS OFFICE	MINORITY SERVING INSTITUTIONS (MSI) PARTNERSHIP INITIATIVE
445	\$300,000	NATIONAL INST OF FOOD & AGRICULTURE	Quintanilla Tornel, Marisol	ENTOMOLOGY MABR	SUSTAINABLE MANAGEMENT OF SOYBEAN CYST NEMATODE
446	\$36,984	UNIVERSITY OF MICHIGAN	Infante, Dana	FISHERIES AND WILDLIFE MABR	INTEGRATING NATURE BASED SOLUTIONS INTO A COMPREHENSIVE STORMWATER STRATEGY FOR SE MICHIGAN
447	\$10,000	MICHIGAN CHRISTMAS TREE ASSOC	Saha, Debalina	HORTICULTURE MABR	ASSESSING THE EFFECTS OF FIVE NEWER HERBICIDES FOR WEED CONTROL AND PHYTOTOXICITY IN CHRISTMAS TREE PRODUCTION
448	\$1,000,000	NATIONAL INST OF FOOD & AGRICULTURE	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	BACTERIOPHAGE:PATHOGEN:ENVIRONMENT — UNRAVELING THE CRITICAL FACTORS NECESSARY TO MAKE PHAGE BIOCONTROL A REALITY
449	\$188,597	ALLIANCE FOR THE GREAT LAKES	Asher, Jeremiah	WATER RESEARCH INSTITUTE MABR	WESTERN LAKE ERIE EXPANDED WATER QUALITY MONITORING PROGRAM (ERB)
450	\$300,026	ALLIANCE FOR THE GREAT LAKES	Asher, Jeremiah	WATER RESEARCH INSTITUTE MABR	WESTERN LAKE ERIE EXPANDED WATER QUALITY MONITORING PROGRAM (MDARD)
<b>MICHIGAN STATE UNIVERSITY EXTENSION</b>					
451	\$325,000	NATIONAL INST OF FOOD & AGRICULTURE	Quintanilla Tornel, Marisol	ENTOMOLOGY MSUE	TOWARDS THE SUSTAINABLE MANAGEMENT OF TWO ECONOMICALLY IMPORTANT DIPTERAN INSECT PESTS USING ENTOMOPATHOGENIC NEMATODES AND FUNGI
452	\$51,267	RISK MANAGEMENT AGENCY	Bardenhagen, Chris	EXTENSION AGRICULTURE AND AGRIBUSINESS	COST OF PRODUCTION STUDY AND EXPENSE BUDGETS FOR MICHIGAN CABBAGE AND PEACHES
453	\$34,000	MICHIGAN ASPARAGUS ADVISORY BOARD	Bardenhagen, Chris	EXTENSION AGRICULTURE AND AGRIBUSINESS	ASSESSING THE IMPACTS OF THE LOSS OF SPECIALTY CROPS IN MICHIGAN
454	\$55,692	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Celovsky, Madelyn	EXTENSION AGRICULTURE AND AGRIBUSINESS	INVESTIGATING COVER CROP PLANTING METHODS FOR ESTABLISHMENT SUCCESS
455	\$12,000	VALENT BIOSCIENCES CORP	Lavelly, Emily	EXTENSION AGRICULTURE AND AGRIBUSINESS	CHEMICAL PEACH THINNING RESEARCH PROJECT
456	\$24,494	IOWA STATE UNIV	Tocco, Phillip	EXTENSION AGRICULTURE AND AGRIBUSINESS	INCREASING FSMA COMPLIANCE IN THE NORTH CENTRAL REGION THROUGH BETTER CONNECTED, SUPPORTED, AND EDUCATED STAKEHOLDERS WHO WORK WITH UNDER-SERVED GROWERS AND PROCESSORS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
457	\$404,808	NATIONAL INST OF FOOD & AGRICULTURE	Tocco, Phillip	EXTENSION AGRICULTURE AND AGRIBUSINESS	CROWDSOURCING AN IMAGE LIBRARY: CREATING A USER GENERATED IMAGE LIBRARY FOR EDUCATION AND OUTREACH
458	\$40,000	BARRY COUNTY UNITED WAY	Kieren, Kellie	EXTENSION CHILDREN AND YOUTH	BARRY COUNTY MSU EXTENSION 4-H PROGRAM
459	\$31,254	MICHIGAN 4H FOUNDATION	Schulz, Jodi	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
460	\$43,926	MICHIGAN 4H FOUNDATION	Schulz, Jodi	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
461	\$95,949	US FISH & WILDLIFE SERVICE	Badra, Peter	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MUSSEL AND MACROINVERTEBRATE COMMUNITY ASSESSMENT BEFORE AND AFTER MUSSEL POPULATION AUGMENTATION
462	\$30,000	UNIVERSITY OF MICHIGAN	Breederland, Mark	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	CLEAN VESSEL ACT – BOATING PUMPOUT GRANTS PROGRAM - YEAR 2
463	\$99,995	US FISH & WILDLIFE SERVICE	Cole-Wick, Ashley	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MITCHELL'S SATYR MANAGEMENT, AND MONITORING (2023-2024)
464	\$70,224	MICHIGAN DEPT OF NATURAL RESOURCES	Cuthrell, David	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MNFI 2024- TITLE 30 DNR WLD CSWG PEATLAND INSECTS YEAR 1
465	\$15,303	MICHIGAN CROP IMPROVEMENT ASSOC	Dedecker, James	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	INVESTIGATING OAT AND BARLEY VARIETY PERFORMANCE ACROSS MICHIGAN
466	\$254,368	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

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
467	\$33,000	ARENAC CONSERVATION DISTRICT	Hackett, Rachel	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	HABITAT RESTORATION AND MAINTENANCE ON THE BAY CITY STATE RECREATION AREA
468	\$32,819	UNIVERSITY OF MINNESOTA	Ivan, David	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	COMMUNITY DEVELOPMENT AND TECHNICAL ASSISTANCE TO ADVANCE ENVIRONMENT AND ENERGY JUSTICE IN THE GREAT LAKES REGION
469	\$123,461	UNIVERSITY OF MINNESOTA	Ivan, David	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	COMMUNITY DEVELOPMENT AND TECHNICAL ASSISTANCE TO ADVANCE ENVIRONMENT AND ENERGY JUSTICE IN THE GREAT LAKES REGION
470	\$125,187	NATIONAL PARK SERVICE	Lee, Yu Man	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	INVENTORY OF THREATENED AND ENDANGERED REPTILE TO INFORM ADAPTIVE MANAGEMENT OF PRESCRIBED FIRE PROGRAM AT SLEEPING BEAR DUNES NATIONAL LAKESHORE (SLBE)
471	\$160,000	MICHIGAN DEPT OF NATURAL RESOURCES	Lee, Yu Man	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	ASSESSING CLIMATE VULNERABILITY FOR 538 SGCNS IN THE MIDWEST USING A NEW ADAPTIVE CAPACITY TOOL
472	\$49,114	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Rogers, Rebecca	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MNFI EGLE 2024 ACCESS TO NATURAL HERITAGE DATABASE
473	\$95,000	US FISH & WILDLIFE SERVICE	Rowe, Logan	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	BUMBLE BEE COMMUNITY SURVEYS AND BUMBLE BEE ATLAS FOR MICHIGAN - Y3
474	\$17,855	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	Tobe, Erica	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MSHDA HEP GRANT
475	\$37,000	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	Tobe, Erica	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MSHDA HUD 23-24
476	\$63,085	LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS	Wilton, Clay	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	ECOLOGICAL ASSESSMENT OF AMERICAN MARTEN IN THE NORTHERN LOWER PENINSULA OF MICHIGAN

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
<b>RESEARCH AND INNOVATION</b>					
477	\$12,070	GANTEC INC	Aliakbarian, Bahar	AXIA INSTITUTE	ANTIOXIDANT EXTRACTION FROM DIFFERENT BIOMASSES AND CHEMICAL ANALYSIS
478	\$15,000	CENCORA	Hatfield, John	AXIA INSTITUTE	AXIA MEMBERSHIPS
479	\$2,064,068	NATIONAL INST OF HEALTH	Kaminski, Norbert	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	ENVIRONMENTAL, MICROBIAL AND MAMMALIAN BIOMOLECULAR RESPONSES TO AHR LIGANDS
480	\$514,512	NATIONAL INST OF HEALTH	Kaminski, Norbert	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	CANNABIS USE FREQUENCY AND ITS IMPACT ON MONOCYTE-MEDIATED INFLAMMATION IN HIV PATIENTS
481	\$25,000	UNIVERSITY OF MICHIGAN	Hasemann, Charles	MSU INNOVATION CENTER	T3N(10) - POST DOCS FOR PERIOD OF JANUARY 1, 2023 - DECEMBER 31, 2023
482	\$45,304	MICHIGAN STATE UNIV FOUNDATION	Hasemann, Charles	MSU INNOVATION CENTER	T3N(10) - POST DOCS FOR PERIOD OF JANUARY 1, 2023 - DECEMBER 31, 2023
483	\$1,000,000	MICHIGAN STATE UNIV FOUNDATION	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	VP RESEARCH CLIMATE/CRITICAL INFRASTRUCTURE
484	\$1,452,500	MICHIGAN STATE UNIV FOUNDATION	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY COMMERCIALIZATION - MSUT (RG100310)
485	\$30,000	AITCH FOUNDATION	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	AITCH FOUNDATION CANCER RESEARCH AWARDS
<b>UNIVERSITY ADVANCEMENT</b>					
486	\$28,133,064	VARIOUS DONORS - ADVANCEMENT	Clasen, Simone	VICE PRESIDENT UNIVERSITY ADVANCEMENT	CASH GIFTS TO MSU FOR THE PERIOD 4/1/24 TO 6/30/24
<b>MICHIGAN STATE UNIVERSITY COLLEGE OF LAW</b>					
487	\$83,347	INTERNAL REVENUE SERVICE	Wease, Christina	COLLEGE OF LAW DEAN	MICHIGAN STATE UNIVERSITY LOW-INCOME TAXPAYER CLINIC
<b>UNIVERSITY ARTS AND COLLECTIONS</b>					
488	\$75,000	TERRA FOUNDATION FOR AMER ART	Macdowell, Marsha	MUSEUM	"IT'S MORE THAN A QUILLBOX"/ "OOSHME GAAWIYEKAAJIGAN AAWON"
<b>UNIVERSITY HEALTH AND WELLBEING</b>					
489	\$30,000	CHILDRENS HOSPITAL OF MICHIGAN FOUNDATION	Travis, Alexis	CAMPUS HEALTH SERVICES	MICHIGAN STATE UNIVERSITY COLLEGIATE RECOVERY COMMUNITY

**Gift, Grant and Contract Report  
Board of Trustees  
September 2024**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
	<b>VARIOUS</b>				
490	\$143,625	VARIOUS	Various	Various	71 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	<b>\$189,872,523</b>	<b>Total September 2024 Board</b>			



CONSIGNMENT/NON-CASH GIFTS  
 BOARD OF TRUSTEES  
 September 6, 2024

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Wolf 280 Hop Harvester Serial# 4103	Craft Masters Hops	MSU Extension Community, Food & Environment	\$90,000.00	Processing hops
2	Sage Valley Golf Club trip	Zeigler Auto Group	Intercollegiate Athletics Spartan Fund	\$50,336.28	Trip to North Carolina for Men's Golf Team
3	Body mold machining, materials, time & labor	Our Next Energy	Solar Team - Electrical & Computer Engineering	\$26,000.00	Solar car team use
4	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$25,728.00	Recruiting trip for Women's Basketball
5	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$17,202.34	Recruiting trip for Men's Basketball
6	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$14,469.49	Recruiting trip for Men's Basketball
7	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$8,770.64	Trip to North Carolina for Men's Golf Team

CONSIGNMENT/NON-CASH GIFTS  
 BOARD OF TRUSTEES  
 September 6, 2024

8	Air transportation	Mike McNamara	Intercollegiate Athletics Spartan Fund	\$7,854.29	Recruiting trip for Men's Golf
9	3 – Ring Video Doorbells HW-57334 2 – Ring Stick Up Camera HW-57395	Tech Soup	MSU Safe Place Center for Survivors	\$6,600.00	Security
10	EXP Tour – student athlete banquet	Kevin Brown	Intercollegiate Athletics Spartan Fund	\$5,845.44	Networking
			<b>TOTAL</b>	<b>\$252,806.48</b>	