

# MICHIGAN STATE UNIVERSITY

August 27, 2021

## MEMORANDUM

TO: Members of the Board of Trustees

FROM: Douglas A. Gage, Vice President 

SUBJECT: Gift, Grant, and Contract Report

RECOMMENDATION: That the Board of Trustees approve the attached Gift, Grant, and Contract Report for the period of May 26, 2021, through August 17, 2021. The report is a compilation of 627 Gifts, Grants, and Contracts plus 60 Consignment/Non-Cash Gifts, with a total value of \$186,658,208.



### FY 2021-22 TOTALS:

- |  |               |
|--|---------------|
| a) Gifts, Grants, and Contracts only:  | \$184,515,370 |
| b) Gifts, Grants, and Contracts plus Consignments:<br>(Consignments are Non-Cash Gifts and Non-Cash Loans) | \$186,658,208 |

### RESOLUTION:

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

Douglas A. Gage, Ph.D.  
Vice President

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## Current Period / Year to Date

### Gift & Grant Awards

Meeting Date: 09/10/2021

Current Period: May 26, 2021 - Aug 17, 2021

#### AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$110,148,814	\$110,148,814	86.3%
State of Michigan	\$5,504,210	\$5,504,210	4.3%
Other	\$3,117,675	\$3,117,675	2.4%
Industry/CO	\$2,910,972	\$2,910,972	2.3%
Foundation	\$5,255,430	\$5,255,430	4.1%
Association	\$681,219	\$681,219	0.5%
<b>Research - Total</b>	<b>\$127,618,321</b>	<b>\$127,618,321</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$10,138,287	\$10,138,287	17.8%
State of Michigan	\$1,111,618	\$1,111,618	2.0%
Other	\$1,256,878	\$1,256,878	2.2%
Industry/CO	\$29,300	\$29,300	0.1%
Foundation	\$1,177,171	\$1,177,171	2.1%
Association	\$46,450	\$46,450	0.1%
Various Donors - Advancement	\$43,137,345	\$43,137,345	75.8%
<b>Non-Research - Total</b>	<b>\$56,897,050</b>	<b>\$56,897,050</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$120,287,101	\$120,287,101	65.2%
State of Michigan	\$6,615,828	\$6,615,828	3.6%
Other	\$4,374,553	\$4,374,553	2.4%
Industry/CO	\$2,940,272	\$2,940,272	1.6%
Foundation	\$6,432,601	\$6,432,601	3.5%
Association	\$727,669	\$727,669	0.4%
Various Donors - Advancement	\$43,137,345	\$43,137,345	23.4%
<b>TOTAL</b>	<b>\$184,515,370</b>	<b>\$184,515,370</b>	<b>100%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	317	317	62.4%
State of Michigan	24	24	4.7%
Other	48	48	9.4%
Industry/CO	51	51	10.0%
Foundation	21	21	4.1%
Association	47	47	9.3%
<b>Research - Total</b>	<b>508</b>	<b>508</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	66	66	55.5%
State of Michigan	9	9	7.6%
Other	15	15	12.6%
Industry/CO	1	1	0.8%
Foundation	25	25	21.0%
Association	2	2	1.7%
Various Donors - Advancement	1	1	0.8%
<b>Non-Research - Total</b>	<b>119</b>	<b>119</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	383	383	61.1%
State of Michigan	33	33	5.3%
Other	63	63	10.0%
Industry/CO	52	52	8.3%
Foundation	46	46	7.3%
Association	49	49	7.8%
Various Donors - Advancement	1	1	0.2%
<b>TOTAL</b>	<b>627</b>	<b>627</b>	<b>100%</b>

## Current Year / Previous Year

### Gift & Grant Awards

Meeting Date: 09/10/2021

Current Period: May 26, 2021 - Aug 17, 2021

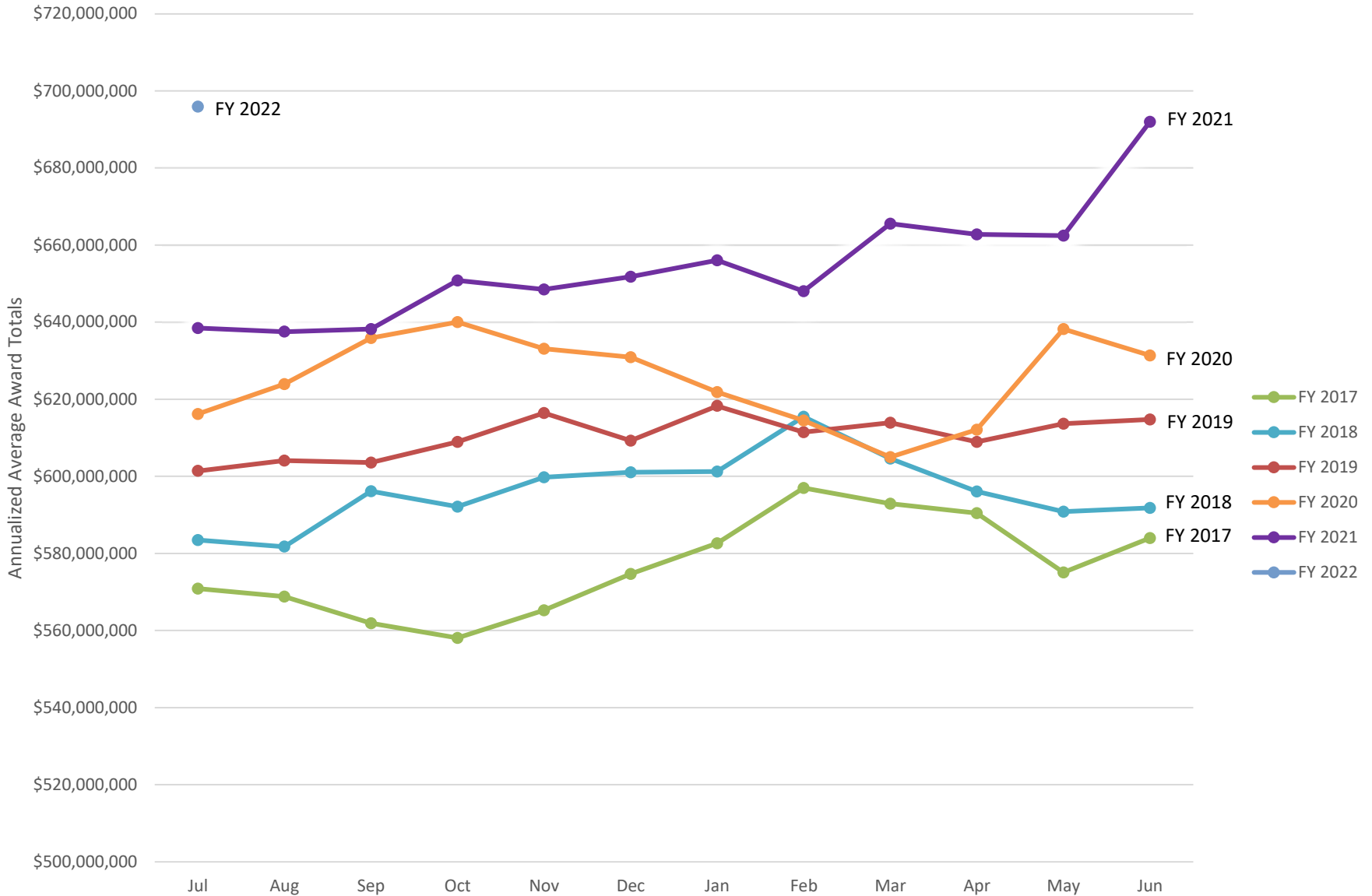
#### AWARD TOTALS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$126,158,509	\$110,148,814	-12.7%
State of Michigan	\$727,002	\$5,504,210	657.1%
Other	\$4,286,041	\$3,117,675	-27.3%
Industry/CO	\$2,315,495	\$2,910,972	25.7%
Foundation	\$2,257,071	\$5,255,430	132.8%
Association	\$479,166	\$681,219	42.2%
<b>Research - Total</b>	<b>\$136,223,284</b>	<b>\$127,618,321</b>	<b>-6.3%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$17,551,554	\$10,138,287	-42.2%
State of Michigan	\$177,013	\$1,111,618	528.0%
Other	\$2,653,165	\$1,256,878	-52.6%
Industry/CO	\$335,953	\$29,300	-91.3%
Foundation	\$1,418,371	\$1,177,171	-17.0%
Association	\$12,500	\$46,450	271.6%
Various Donors - Advancement	\$23,134,241	\$43,137,345	86.5%
<b>Non-Research - Total</b>	<b>\$45,282,797</b>	<b>\$56,897,050</b>	<b>25.6%</b>
Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change
Federal Government	\$143,710,062	\$120,287,101	-16.3%
State of Michigan	\$904,015	\$6,615,828	631.8%
Other	\$6,939,207	\$4,374,553	-37.0%
Industry/CO	\$2,651,448	\$2,940,272	10.9%
Foundation	\$3,675,442	\$6,432,601	75.0%
Association	\$491,666	\$727,669	48.0%
Various Donors - Advancement	\$23,134,241	\$43,137,345	86.5%
<b>TOTAL</b>	<b>\$181,506,080</b>	<b>\$184,515,370</b>	<b>1.7%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	327	317	-3.1%
State of Michigan	8	24	200.0%
Other	79	48	-39.2%
Industry/CO	74	51	-31.1%
Foundation	22	21	-4.5%
Association	28	47	67.9%
<b>Research - Total</b>	<b>538</b>	<b>508</b>	<b>-5.6%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	57	66	15.8%
State of Michigan	3	9	200.0%
Other	34	15	-55.9%
Industry/CO	19	1	-94.7%
Foundation	24	25	4.2%
Association	2	2	0.0%
Various Donors - Advancement	1	1	0.0%
<b>Non-Research - Total</b>	<b>140</b>	<b>119</b>	<b>-15.0%</b>
Total			
Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	384	383	-0.3%
State of Michigan	11	33	200.0%
Other	113	63	-44.2%
Industry/CO	93	52	-44.1%
Foundation	46	46	0.0%
Association	30	49	63.3%
Various Donors - Advancement	1	1	0.0%
<b>TOTAL</b>	<b>678</b>	<b>627</b>	<b>-7.5%</b>

### Michigan State University 3 Year Annualized Average Awards



## Top 10 Awards for the September 10, 2021 BOT Meeting

Rank	Sponsor Type	Award Amount	Principal Investigator	Sponsor	Department	New or Modification	Award Activity Type	Project Dates	Project Title
1	Federal Government	\$22,000,000	Thomas Glasmacher	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	03/15/2018 01/14/2023	Facility for Rare Isotope Beams Transition to Operation and Operation as Scientific User Facility
2	Federal Government	\$3,500,000	Gregory Severin	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	09/15/2020 09/14/2024	Accelerator Improvement Project: Isotope Harvesting at FRIB
3	Federal Government	\$3,000,000	Richard York	US Dept of Energy	FACILITY FOR RARE ISOTOPE BEAMS	Modification	Research	03/15/2018 01/14/2023	High Rigidity Spectrometer Project – FY20 to FY22
4	State of Michigan	\$3,000,000	George Smith	Michigan Dept of Agriculture & Rural Development	MSU AGRIBIORESEARCH DIR OFC	New	Research	05/01/2021 06/30/2024	Michigan Alliance for Animal Agriculture - 2021
5	Federal Government	\$2,943,000	Steven Lidia	US Dept of Defense	FACILITY FOR RARE ISOTOPE BEAMS	New	Research	07/09/2021 07/08/2022	Proposal to add a dedicated beamline for single-event effect analysis to the folding segment 1 of the FRIB heavy-ion linear accelerator
6	Foundation	\$2,858,800	Douglas Gage	Michigan State Univ Foundation	OFFICE OF RESEARCH AND INNOVATION	Modification	Research	07/01/2013 12/31/2030	Technology Commercialization - MSUT (RG100310)
7	Federal Government	\$2,725,591	Jennifer Owen	Defense Threat Reduction Agency	FISHERIES AND WILDLIFE	New	Research	04/16/2021 04/15/2026	The Mediterranean and Black Sea Flyway: Transboundary Determinants of Avian Zoonotic Infectious Diseases – Avian Zoonotic Disease Network (AZDN)
8	Federal Government	\$2,286,356	Jiayu Zhou	National Inst of Health	COMPUTER SCIENCE AND ENGINEERING	New	Research	04/15/2021 03/31/2024	Identification of Mild Cognitive Impairment using Machine Learning from Language and Behavior Markers
9	Federal Government	\$2,062,618	Danny Schnell	US Dept of Energy	PLANT BIOLOGY CNS	Modification	Research	09/15/2017 09/14/2022	A Systems Approach to Increasing Carbon Flux to Seed Oil for Biofuels and Bioproducts Production in Camelina sativa
10	Federal Government	\$1,950,797	John Wise	National Inst of Food & Agriculture	ENTOMOLOGY AGRICULTURE AND NATURAL RES	New	Research	08/01/2021 07/31/2025	IR-4 Minor Crop Pest Management
	<b>TOTAL</b>	<b>\$46,327,162</b>							

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
<b>COLLEGE OF AGRICULTURE AND NAT RESOURCES</b>					
1	\$10,000	WORLDFISH	Belton, Benjamin	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	PRIVATE SECTOR RESPONSES TO COVID-19 DISRUPTIONS IN POTATO AND FISH VALUE CHAINS IN KENYA
2	\$159,665	NATIONAL INST OF FOOD & AGRICULTURE	HOPKINS, Kelsey	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	AVOIDING HALAL MEAT FOOD FRAUD: CONSUMER PREFERENCES, RETAILER MOTIVATIONS, AND PROCESSOR PRACTICES
3	\$32,478	INTL MAIZE & WHEAT IMPROVEMENT CENTER	Jayne, Thomas	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	DEVELOPMENT OF A RESEARCH AGENDA AND RELATED FUNDING PROPOSAL FOR SUSTAINABLE AGRICULTURAL INTENSIFICATION AND RURAL ECONOMIC TRANSFORMATION (SAIRET+)
4	\$678,760	INTL FOOD POLICY RESEARCH INST	Liverpool-Tasie, Lenis	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	NIGERIA AGRICULTURE POLICY ACTIVITY
5	\$1,500,000	US AGENCY FOR INTL DEVELOPMENT	Maredia, Mywish	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	AGRICULTURE AND NUTRITION POLICY ACTIVITY TANZANIA ASSOCIATE AWARD
6	\$25,284	WORLDFISH	Tasie, Oyinkansola	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	VALUE CHAIN ADAPTATIONS, PIVOTS, AND POLICIES IN NIGERIA BEYOND COVID-19
7	\$88,000	NATIONAL INST OF ANIMAL SCIENCE	Gondro, Cedric	ANIMAL SCIENCE DEPARTMENT ANR	DEVELOPMENT OF ADVANCED TECHNOLOGIES TO ESTABLISH A HIGH-QUALITY, HIGHLY PRODUCTIVE JERSEY HERD
8	\$499,994	NATIONAL INST OF FOOD & AGRICULTURE	Kendrick, Tasia	ANIMAL SCIENCE DEPARTMENT ANR	CROSSING-PATHS: CROSS-CULTURAL EXCHANGE ON CROSS-BRED CATTLE MARKETS
9	\$78,250	NATIONAL INST OF HEALTH	Latham, Keith	ANIMAL SCIENCE DEPARTMENT ANR	CONDITIONAL KNOCKOUT EFFECTS OF SMCHD1 IN OOCYTES AND EMBRYOS
10	\$99,821	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Das, Narendra	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ENHANCEMENT OF SMAP HIGH-RESOLUTION SOIL MOISTURE DATA USING NISAR AND ITS AGRICULTURAL APPLICATION
11	\$614,347	USDA-NATURAL RESOURCES CONSERVATION SERVICE	Ghane, Ehsan	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ACCELERATING THE ADOPTION OF SATURATED BUFFERS USING AN EDUCATIONAL DECISION-SUPPORT TOOL
12	\$67,486	US DEPT OF DEFENSE	Liao, Wei	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	BLACK WATER TREATMENT TESTING

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
13	\$49,819	AGRICULTURAL RESEARCH SERVICE	Marks, Bradley	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ACQUISITION OF GOODS AND SERVICES
14	\$75,000	KANSAS STATE UNIV	Nejadhashemi, Amirpouyan	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	GEOSPATIAL, FARMING SYSTEMS, AND DIGITAL TOOLS CONSORTIUM – BUILDING A NEW ERA OF PREDICTIVE AGRICULTURAL INNOVATION TO IMPROVE THE LIVELIHOOD OF SMALLHOLDER FARMERS
15	\$332,578	NATIONAL SCIENCE FOUNDATION	Saffron, Christopher	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	NSF-DFG ECHEM: FUTURE FUELS AND CHEMICALS FROM ELECTROCATALYTIC UPGRADING: ADVANCING KINETIC UNDERSTANDING USING OPERANDO SPECTROSCOPIC APPROACHES AND QUANTUM CHEMICAL MODELING
16	\$32,876	CONSUMERS ENERGY	Surbrook, Truman	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	MAEC DUES - GENERAL RESEARCH
17	\$16,438	DTE ENERGY	Surbrook, Truman	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	MAEC DUES 2021
18	\$143,149	CORP FOR A SKILLED WORKFORCE	Barry, Judith	DEPARTMENT OF COMMUNITY SUSTAINABILITY	DEVELOPING AGRICULTURE TECHNOLOGY EDUCATION AND CAREER PATHWAYS FOR MIGRANT AND SEASONAL FARMWORKERS
19	\$70,000	MICHIGAN DEPT OF EDUCATION	Forbush, Mark	DEPARTMENT OF COMMUNITY SUSTAINABILITY	2020/21 OCTE GRANT
20	\$22,228	TWO SIX LABS	Gray, Steven	DEPARTMENT OF COMMUNITY SUSTAINABILITY	MULTI-INFORMED MODELS EMERGING FROM SOCIAL INVESTIGATIONS AND SEMIOTICS (MIMESIS)
21	\$178,013	US DEPT OF AGRICULTURE	Pirog, Richard	DEPARTMENT OF COMMUNITY SUSTAINABILITY	INCREASING RECORDKEEPING AND FINANCIAL MANAGEMENT OPPORTUNITIES FOR UNDERSERVED PRODUCERS IN MICHIGAN
22	\$60,000	MICHIGAN DEPT OF EDUCATION	Rogers-Randolph, Tiffany	DEPARTMENT OF COMMUNITY SUSTAINABILITY	FFA 2021-2022
23	\$40,000	MICHIGAN DEPT OF EDUCATION	Wyrick, David	DEPARTMENT OF COMMUNITY SUSTAINABILITY	FFA (FUTURE FARMERS OF AMERICA) 2020-2021
24	\$252,919	NATIONAL SCIENCE FOUNDATION	Chung, Henry	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MOLECULAR AND EVOLUTIONARY MECHANISMS UNDERLYING DESICCATION RESISTANCE ACROSS DROSOPHILA SPECIES

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
25	\$25,000	MICHIGAN TREE FRUIT COMMISSION	Gut, Larry	ENTOMOLOGY AGRICULTURE AND NATURAL RES	STERILE INSECT RELEASE FOR MANAGING CODLING MOTH IN MI APPLES PRODUCED FOR GERBER'S
26	\$19,902	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EXOTIC GRAPE PESTS IN MICHIGAN RESEARCH
27	\$15,080	MICHIGAN STATE HORTICULTURAL SOCIETY	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	CHEMICAL CONTROL OF GALL WASP - OPTIMIZING PROMISING LEADS
28	\$14,997	MICHIGAN STATE HORTICULTURAL SOCIETY	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MANAGING PRIORITY INSECT PESTS OF MICHIGAN VINEYARDS
29	\$500,000	FOREIGN AGRICULTURAL SERVICE	Jiang, Wayne	ENTOMOLOGY AGRICULTURE AND NATURAL RES	PESTICIDE RESIDUE FIELD TRIALS
30	\$622,353	NEW PARTNERSHIPS FOR AFRICAS DEVELOPMENT	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	AFRICAN BIOSAFETY NETWORK OF EXPERTISE: PHASE 3 AUDA-NEPAD PROGRAM
31	\$52,600	USDA FOREST SERVICE	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	AREA-WIDE CONTROL OF EMERALD ASH BORER USING INTEGRATED BIOLOGICAL CONTROL AND SYSTEMIC INSECTICIDES
32	\$334,900	MICHIGAN DEPT OF NATURAL RESOURCES	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BEECH BARK DISEASE AND BEECH LEAF DISEASE; DISTRIBUTION, IMPACTS AND MANAGEMENT CONSEQUENCES
33	\$48,700	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	McCullough, Deborah	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESEARCH ON EXOTIC FOREST PESTS IN HIGH RISK SITES IN MICHIGAN: FOCUS ON RECREATIONAL AREAS AT RISK OF EXOTIC FOREST PEST INTRODUCTION
34	\$50,571	AGRICULTURAL RESEARCH SERVICE	Milbrath, Meghan	ENTOMOLOGY AGRICULTURE AND NATURAL RES	USING BIG DATA TO IMPROVE DIAGNOSIS OF LARVAL HEALTH AND DISEASE IN HONEY BEES
35	\$60,368	MISSISSIPPI STATE UNIV	Pechal, Jennifer	ENTOMOLOGY AGRICULTURE AND NATURAL RES	NO LONGER BUGGED BY FEED COSTS: FARMING INSECTS AS SUSTAINABLE AND SCALABLE AQUACULTURE FEEDSTOCK TO IMPROVE CATFISH (CLARIDAE) PRODUCERS' AND CONSUMERS' LIVELIHOODS TOWARDS FOOD SECURITY IN NIGERIA
36	\$10,000	MICHIGAN TREE FRUIT COMMISSION	Szucs, Marianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BIOLOGICAL CONTROL OF BROWN MARMORATED STINK BUG IN SOUTHWESTERN MICHIGAN



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
37	\$8,159	MICHIGAN STATE HORTICULTURAL SOCIETY	Szucs, Marianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MASS REARING AND RELEASE OF THE SAMURAI WASP, A NATURAL ENEMY OF BROWN MARMORATED STINK BUG
38	\$39,800	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	RESEARCH ON EXOTIC POME AND STONE FRUIT PESTS IN MICHIGAN
39	\$100,000	MICHIGAN TREE FRUIT COMMISSION	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DETERMINING THE GREENHOUSE GAS MITIGATION POTENTIAL OF HIGH-DENSITY APPLE ORCHARDS IN THE GREAT LAKES REGION
40	\$11,457	MICHIGAN APPLE COMMITTEE	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TREE FRUIT INTEGRATOR POSITION
41	\$1,950,797	NORTH CAROLINA STATE UNIV	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	IR-4 MINOR CROP PEST MANAGEMENT
42	\$15,000	MICHIGAN TREE FRUIT COMMISSION	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	2021 CONTROL OF PEAR PSYLLA WITH BIOPESTICIDES: FOLIAR AND TRUNK INJECTION DEMONSTRATION TRIAL AT WCMHREC
43	\$271,000	USDA FOREST SERVICE	Ziegler, Amos	ENTOMOLOGY AGRICULTURE AND NATURAL RES	NATIONAL SLOW THE SPREAD OF THE GYPSY MOTH (STS) PROJECT: NORTHERN REGIONAL DATABASE NODE
44	\$28,000	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Ziegler, Amos	ENTOMOLOGY AGRICULTURE AND NATURAL RES	EAB BIOLOGICAL CONTROL MOBILE DATA COLLECTION FOR RELEASE, RECOVERY AND EVALUATION
45	\$231,900	MICHIGAN DEPT OF NATURAL RESOURCES	Ziegler, Amos	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MISIN - BRIDGING THE GAP AND CLOSING THE LOOP ON INVASIVE SPECIES DATA IN MICHIGAN
46	\$85,235	ILLINOIS DEPT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	MICHIGAN STATE UNIVERSITY QUANTITATIVE FISHERIES CENTER/GREAT LAKES FISHERIES CONSULTING WITH ILLINOIS DEPARTMENT OF NATURAL RESOURCES
47	\$17,047	MINNESOTA DEPT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	MICHIGAN STATE UNIVERSITY QUANTITATIVE FISHERIES CENTER/GREAT LAKES FISHERIES CONSULTING WITH MINNESOTA DEPARTMENT OF NATURAL RESOURCES
48	\$168,707	US GEOLOGICAL SURVEY	Brenden, Travis	FISHERIES AND WILDLIFE	IMPROVE CONTROL EFFICIENCY THROUGH BETTER UNDERSTANDING OF GRASS CARP BEHAVIOR IN NEARSHORE AREAS OF THE GREAT LAKES
49	\$64,000	ASSOC OF FISH & WILDLIFE AGENCIES	Christensen, Sonja	FISHERIES AND WILDLIFE	FISH AND WILDLIFE HEALTH COORDINATION AND STRATEGIC PLANNING

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
50	\$130,000	MICHIGAN DEPT OF NATURAL RESOURCES	Infante, Dana	FISHERIES AND WILDLIFE	DEVELOPING A HOLISTIC APPROACH TO EVALUATE AND COMMUNICATE NATURAL RESOURCE ASSETS AND MANAGEMENT ACTIONS FOR MICHIGAN'S LARGE RIVERS: FOCUS ON THE AU SABLE RIVER
51	\$7,590	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	JOHN HUME PERM AGREEMENT JANUARY 2019 - DECEMBER 2021.
52	\$290,354	NATIONAL SCIENCE FOUNDATION	Liu, Jianguo	FISHERIES AND WILDLIFE	COLLABORATIVE RESEARCH: COMPLEX EFFECTS OF TELECOUPLED ACTIVITIES IN THE CHANGING ENVIRONMENT OF THE ARCTIC
53	\$2,725,591	DEFENSE THREAT REDUCTION AGENCY	Owen, Jennifer	FISHERIES AND WILDLIFE	THE MEDITERRANEAN AND BLACK SEA FLYWAY: TRANSBOUNDARY DETERMINANTS OF AVIAN ZOO NOTIC INFECTIOUS DISEASES – AVIAN ZOO NOTIC DISEASE NETWORK (AZDN)
54	\$158,209	NATIONAL COUNCIL FOR AIR & STREAM IMPROVEMENT	Roloff, Gary	FISHERIES AND WILDLIFE	FOREST MANAGEMENT EFFECTS ON SPECIES OF CONSERVATION CONCERN: WOOD TURTLES AND GOLDEN-WINGED WARBLERS
55	\$226,436	NATIONAL SCIENCE FOUNDATION	Soranno, Patricia	FISHERIES AND WILDLIFE	NSF IPA FOR DR. SORANNO
56	\$43,604	GREAT LAKES FISHERY COMMISSION	Vandergoot, Christopher	FISHERIES AND WILDLIFE	SPATIAL AND TEMPORAL ECOLOGY OF LAKE ERIE LAKE TROUT
57	\$416,246	NATIONAL INST OF HEALTH	Pestka, James	FOOD SCIENCE AND HUM NUTRITION ANR	DIETARY LIPIDS AND SILICA-TRIGGERED AUTOIMMUNITY
58	\$144,997	CALIFORNIA DEPT OF FORESTRY & FIRE PROTECTION	Cooper, Lauren	FORESTRY	IMPACT OF FOREST MANAGEMENT ON CARBON SEQUESTRATION AND STORAGE IN CALIFORNIA
59	\$249,646	MICHIGAN DEPT OF NATURAL RESOURCES	Rothstein, David	FORESTRY	A COMPREHENSIVE APPROACH TO DENSITY MANAGEMENT OF JACK PINE PLANTATIONS IN KIRTLAND'S WARBLER MANAGEMENT AREAS
60	\$18,000	MICHIGAN BLUEBERRY COMMISSION	Chaudhari, Sushila	HORTICULTURE ANR	ADVANCING SUSTAINABILITY IN BLUEBERRY WITH SITE-SPECIFIC WEED MANAGEMENT
61	\$9,110	PICKLE PACKERS INTL INC	Chaudhari, Sushila	HORTICULTURE ANR	NEW HERBICIDE EVALUATION FOR ROW MIDDLE WEED CONTROL IN PICKLING CUCUMBER AND PEPPER PRODUCTION SYSTEMS
62	\$7,752	MICHIGAN STATE HORTICULTURAL SOCIETY	Chaudhari, Sushila	HORTICULTURE ANR	ADVANCING SUSTAINABILITY IN VINEYARDS WITH SITE-SPECIFIC WEED MANAGEMENT
63	\$104,968	NORTH CAROLINA STATE UNIV	Edger, Patrick	HORTICULTURE ANR	VACCINIUMCAP: LEVERAGING GENETIC AND GENOMIC RESOURCES TO ENABLE DEVELOPMENT OF IMPROVED BLUEBERRY AND CRANBERRY CULTIVARS TO GROWERS AND CONSUMERS
64	\$160,249	CORNELL UNIV	Einhorn, Todd	HORTICULTURE ANR	PRECISION CROP LOAD MANAGEMENT FOR APPLES

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
65	\$10,165	MICHIGAN STATE HORTICULTURAL SOCIETY	Lang, Gregory	HORTICULTURE ANR	OPTIMIZING FUTURE STONE FRUIT PRODUCTION SYSTEMS
66	\$14,000	INTL FRUIT TREE ASSOC	Lang, Gregory	HORTICULTURE ANR	UNRESTRICTED GIFT IN ORCHARD RESEARCH PROGRAMS
67	\$29,300	DUMMEN N.A., INC.	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE RESEARCH
68	\$49,150	FINE AMERICAS INC	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE RESEARCH.
69	\$7,000	SIGNIFY	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN SUPPORT OF FLORICULTURE RESEARCH PROGRAM.
70	\$48,450	AGRICULTURAL RESEARCH SERVICE	Runkle, Erik	HORTICULTURE ANR	ENVIRONMENTAL STRATEGIES AND PGR APPLICATIONS TO INCREASE PLANT RESILIENCE
71	\$72,744	MICHIGAN CHRISTMAS TREE ASSOC	Saha, Debalina	HORTICULTURE ANR	DEVELOPMENT OF INTEGRATED WEED CONTROL PROGRAM FOR MICHIGAN CHRISTMAS TREE PRODUCTION
72	\$401,112	NATIONAL SCIENCE FOUNDATION	Rabnawaz, Muhammad	PACKAGING	CAREER: BRIDGING THE GAPS AMONG COMMODITY THERMOPLASTICS, ENGINEERING POLYMERS AND THERMOSETS VIA THERMALLY REVERSIBLE CROSSLINKING
73	\$27,756	AGRICULTURAL RESEARCH SERVICE	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	INTEGRATED MANAGEMENT OF FHB AND DON IN SOFT WHITE WINTER WHEAT AND WINTER BARLEY IN MICHIGAN
74	\$40,000	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
75	\$311,597	NATIONAL SCIENCE FOUNDATION	Day, Brad	PLANT SOIL AND MICROBIAL SCIENCES	CYTOSKELETAL REGULATION OF IMMUNITY.
76	\$12,000	MICHIGAN TURFGRASS FOUNDATION	Frank, Kevin	PLANT SOIL AND MICROBIAL SCIENCES	2021-22 TURFGRASS RESEARCH
77	\$55,000	AGRICULTURAL RESEARCH SERVICE	Gomez, Francisco	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATION AND OPTIMIZATION OF GENOMIC SELECTION FOR DURABLE WHITE MOLD RESISTANCE IN DRY BEAN
78	\$13,400	UNIVERSITY OF NEBRASKA - LINCOLN	Gomez, Francisco	PLANT SOIL AND MICROBIAL SCIENCES	IMPROVED WHITE MOLD RESISTANCE IN DRY AND SNAP BEANS THROUGH MULTI-SITE SCREENING AND PATHOGEN CHARACTERIZATION THROUGHOUT MAJOR PRODUCTION AREAS
79	\$22,000	PICKLE PACKERS INTL INC	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	DOWNY MILDEW ON PICKLING CUCUMBERS: COMPARING DIAGNOSTIC TOOLS FOR MICHIGAN GROWERS
80	\$13,750	PICKLE PACKERS INTL INC	Hausbeck, Mary	PLANT SOIL AND MICROBIAL SCIENCES	MONITORING THE DOWNY MILDEW PATHOGEN FOR RESISTANCE TO FUNGICIDES USING FIELD AND MOLECULAR TOOLS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
81	\$56,575	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
82	\$23,530	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	HOSTING THE MANAGER OF THE USWBSI'S NETWORKING AND FACILITATION OFFICE
83	\$122,771	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
84	\$51,084	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
85	\$43,131	AGRICULTURAL RESEARCH SERVICE	Horgan, Brian	PLANT SOIL AND MICROBIAL SCIENCES	ACQUISITION OF GOODS AND SERVICES
86	\$12,957	MICHIGAN POTATO INDUSTRY COMMISSION	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	MICHIGAN POTATO RESEARCH TECHNICIAN
87	\$5,533	MICHIGAN POTATO INDUSTRY COMMISSION	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	MICHIGAN POTATO RESEARCH SALARY FUNDING
88	\$195,500	POTATOES USA	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	NATIONAL CHIP POTATO VARIETY COMMERCIALIZATION PROGRAM MANAGEMENT
89	\$12,000	MICHIGAN TURFGRASS FOUNDATION	Merewitz Holm, Emily	PLANT SOIL AND MICROBIAL SCIENCES	2021-22 TURFGRASS RESEARCH
90	\$15,000	MICHIGAN STATE HORTICULTURAL SOCIETY	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	IDENTIFYING A ONE-SIZE FITS ALL APPROACH FOR FUNGAL PATHOGENS IN MICHIGAN VINEYARDS
91	\$12,000	MICHIGAN TURFGRASS FOUNDATION	Nikolai, Thomas	PLANT SOIL AND MICROBIAL SCIENCES	2021-22 TURFGRASS RESEARCH
92	\$17,400	US GOLF ASSOC	Rogers, John	PLANT SOIL AND MICROBIAL SCIENCES	GOLF BALL REACTION AND SOIL STRENGTH STUDY
93	\$12,000	MICHIGAN TURFGRASS FOUNDATION	Rogers, John	PLANT SOIL AND MICROBIAL SCIENCES	2021-22 TURFGRASS RESEARCH
94	\$27,824	UNIVERSITY OF WISCONSIN MADISON	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	BOOTS ON THE GROUND: VALIDATION OF BENCHMARKING PROCESS THROUGH AN INTEGRATED ON-FARM NETWORK
95	\$294,051	INTL INST FOR TROPICAL AGRICULTURE	Snapp, Sieglinde	PLANT SOIL AND MICROBIAL SCIENCES	TRANSFORMING KEY PRODUCTION SYSTEMS: MAIZE MIXED EAST AND SOUTHERN AFRICA

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
96	\$9,850	MICHIGAN TREE FRUIT COMMISSION	Sundin, George	PLANT SOIL AND MICROBIAL SCIENCES	ESTABLISHMENT OF A MULTI-CULTIVAR HIGH DENSITY APPLE ORCHARD FOR APPLE SCAB AND FRUIT ROT FUNGICIDE TRIALS
97	\$12,000	MICHIGAN TURFGRASS FOUNDATION	Vargas, Joseph	PLANT SOIL AND MICROBIAL SCIENCES	2021-22 TURFGRASS RESEARCH
98	\$76,353	AGRICULTURAL RESEARCH SERVICE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	ENHANCING SOYBEAN FOR RESISTANCE TO SCLEROTINIA STEM ROT
99	\$29,050	OHIO STATE UNIV	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	INCREASING SOYBEAN GENETIC GAIN FOR YIELD BY DEVELOPING TOOLS, KNOW-HOW AND COMMUNITY AMOUNT PUBLIC BREEDERS IN THE NORTH CENTRAL US
100	\$58,209	OHIO STATE UNIV	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPING THE PERFECT MOLECULAR MARKERS AND NEW GERMPLASM FOR RAPID INCORPORATION OF RESISTANCE TO SOIL BORNE PATHOGENS OF SOYBEAN
101	\$30,486	OREGON STATE UNIV	Werner, Sarah	PLANT SOIL AND MICROBIAL SCIENCES	IDENTIFYING PLANT GENES ASSOCIATED WITH BENEFICIAL FOLIAR YEASTS IN POPULUS TRICHOCARPA
102	\$106,011	US ARMY CORPS OF ENGINEERS	Cui, Yue	SCHOOL OF PLANNING DES CONSTRUCTION ANR	ALGORITHM FOR INVENTORY AND SPATIAL ANALYSIS IN NATURAL RESOURCES MANAGEMENT, INSTITUTE FOR WATER RESOURCES
103	\$32,103	NATIONAL SCIENCE FOUNDATION	Mollaoglu, Sinem	SCHOOL OF PLANNING DES CONSTRUCTION ANR	UNDERSTANDING IMPACTS OF SOCIAL NETWORK INTERVENTIONS ON ENGINEERING PROJECT OUTCOMES
104	\$163,073	US DEPT OF HOUSING & URBAN DEVELOPMENT	Sohn, Won Min	SCHOOL OF PLANNING DES CONSTRUCTION ANR	DEVELOPMENT OF COMPREHENSIVE CLIMATE VULNERABILITY AND RESILIENCE CAPACITY INDEXES FOR ENHANCING URBAN RECOVERY IN MIDWESTERN COMMUNITIES
105	\$50,546	AGRICULTURAL RESEARCH SERVICE	Williams, Zachary	SOUTH CAMPUS ANIMAL FARMS CANR	EFFECT OF MAREK'S DISEASE CVRM VACCINE ON THE ENHANCEMENT OF SPONTANEOUS AVIAN LEUKOSIS-LIKE TUMORS
<b>COLLEGE OF ARTS AND LETTERS</b>					
106	\$74,514	SPENCER FOUNDATION	Brown, Ruth	AFRICAN AMERICAN AND AFRICAN STUDIES	FORMS OF FREEDOM: THE ART AND DESIGN OF BLACK AND INDIGENOUS CREATIVE PUBLIC PEDAGOGIES
107	\$650,000	THE ANDREW W MELLON FOUNDATION	Long, Christopher	AL RESEARCH AND SCHOLARSHIP	HUMETRICSHSS - LIVE YOUR VALUES; TRANSFORM THE ACADEMY
108	\$15,000	NATIONAL WRITING PROJECT CORP	Smith, Trixie	ARTS AND LETTERS WRITING CENTER	C3WP PROFESSIONAL DEVELOPMENT SITE INQUIRY
109	\$218,000	THE ANDREW W MELLON FOUNDATION	Baker Bell, April	ENGLISH	A CROSS-DISCIPLINARY APPROACH TO ANTI-RACIST MEDICAL EDUCATION
110	\$27,469	UNIVERSITY OF MICHIGAN	Khalil, Mohammad	RELIGIOUS STUDIES	DIGITAL ISLAMIC STUDIES CURRICULUM (DISC)

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
111	\$10,977	BRANDEIS UNIVERSITY	Yares, Laura	RELIGIOUS STUDIES	JEWISH LEARNING THROUGH THE CULTURAL ARTS
<b>ELI BROAD COLLEGE OF BUSINESS</b>					
112	\$133,590	US DEPT OF THE ARMY	Fraye, David	EXECUTIVE DEVELOPMENT PROGRAMS	ARMY WORKSPACE EXTENSION
113	\$304,000	US DEPT OF EDUCATION	Kirca, Ahmet	INTERNATIONAL BUSINESS CENTER	CENTER FOR INTERNATIONAL BUSINESS EDUCATION RESEARCH: STRATEGIC AND SUSTAINABLE VALUE CHAINS FOR INCREASED INTERNATIONAL COMPETITIVENESS
114	\$36,015	MICHIGAN ECONOMIC DEVELOPMENT CORP	Kirca, Ahmet	INTERNATIONAL BUSINESS CENTER	MEDC INTERNATIONAL INTERNSHIP PROGRAM
115	\$10,000	NEGOTIATION & TEAM RESOURCES	Hollenbeck, John	MANAGEMENT	WORKING TOGETHER TO OUR COLLECTIVE DEMISE: THE ROLE OF INTEGRATIVE STRATEGY ON ESCALATION OF COMMITMENT IN MULTI-PHASE NEGOTIATIONS
116	\$19,998	NATIONAL SCIENCE FOUNDATION	Hollenbeck, John	MANAGEMENT	RAPID: THE CHANGING NATURE OF WORK: DYNAMIC RECONFIGURATION AND VISUALIZATION IN THE CONTEXT OF COVID-19 CONTACT TRACING
<b>COLLEGE OF COMMUNICATION ARTS SCIENCES</b>					
117	\$10,000	ERIKSON INSTITUTE	Alade, Fashina	ADVERTISING AND PUBLIC RELATIONS	ZOOM PROJECT
118	\$21,450	CAPITAL AREA UNITED WAY INC	Elkins, Susanne	BROADCASTING SERVICES	ENGAGING FAMILIES IN EARLY LITERACY
119	\$184,021	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	AMERICAN RESCUE PLAN ACT STABILIZATION GRANT
120	\$74,996	CENTERS FOR DISEASE CONTROL & PREVENTION	Dearing, James	COMMUNICATION	DEARING INTERGOVERNMENTAL PERSONNEL ACT (IPA) - CDC/PPEB
121	\$153,305	ANHEUSER BUSCH FOUNDATION	Martell, Dennis	COMMUNICATION ARTS AND SCIENCES DEAN	NATIONAL SOCIAL NORMS CENTER
122	\$435,525	NATIONAL INST OF HEALTH	Yaruss, J Scott	COMMUNICATIVE SCIENCES DISORDERS CAS	STUTTERING IN THE REAL WORLD: QUANTIFYING VARIABILITY TO IMPROVE MEASUREMENT RELIABILITY AND VALIDITY
123	\$539,390	ROBERT WOOD JOHNSON FOUNDATION	Chinni, Dante	JOURNALISM	EXPLORING THE SOCIAL DETERMINANTS OF HEALTH AND ENABLING POLICYMAKERS TO UNDERSTAND CULTURAL, SOCIOECONOMIC, AND POLITICAL CHANGES AT THE LOCAL LEVEL
124	\$306,300	ARTHUR M BANK FAMILY FOUNDATION	Chinni, Dante	JOURNALISM	STUDYING DEATHS OF DESPAIR

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
125	\$351,498	NATIONAL SCIENCE FOUNDATION	Takahashi, Bruno	JOURNALISM	COLLABORATIVE RESEARCH: BROADENING PARTICIPATION AMONG SCIENCE COMMUNICATION PRACTITIONERS: SCIENCE COMMUNICATION AND REPRESENTATION FELLOWSHIP (SCARF)
126	\$11,067	MICHIGAN DEPT OF LICENSING & REGULATORY AFFAIRS	Swierenga, Sarah	MEDIA AND INFORMATION	MICHIGAN WORKFORCE BACKGROUND CHECK FY21
<b>COLLEGE OF EDUCATION</b>					
127	\$12,577	YORK UNIVERSITY	Morley, Alyssa	CED INTERNATIONAL STUDIES IN EDUCATION	RETURNS AT RISK: COVID-19 AND GIRLS' EDUCATION IN MALAWI
128	\$192,251	BRADY EDUCATION FOUNDATION	Carter Andrews, Dorinda	CED OUTREACH	RACIAL EQUITY IN SCHOOL DISCIPLINE FOR BLACK STUDENTS
129	\$25,000	MICHIGAN DEPT OF HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	INFANT AND EARLY CHILDHOOD MENTAL HEALTH CONSULTATION EVALUATION (ECMHC)
130	\$10,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	WRAPAROUND EVALUATION PROJECT
131	\$461,206	INST OF EDUCATION SCIENCES	Cho, Eunsoo	COUNSELING, EDUC PSYCH & SPEC EDUC	PROJECT I-SMART: INTERVENTION TO SUPPORT MINDSET AND READING TOGETHER
132	\$19,757	DREXEL UNIV	Plavnick, Joshua	COUNSELING, EDUC PSYCH & SPEC EDUC	PREVALENCE AND PROFILE OF TREATMENT NON-RESPONDERS IN AUTISM EARLY INTERVENTION
133	\$411,286	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
134	\$404,463	NATIONAL SCIENCE FOUNDATION	Krajcik, Joseph	CREATE FOR STEM	SUPPORTING INSTRUCTIONAL DECISION MAKING: THE POTENTIAL OF AUTOMATICALLY SCORED THREE-DIMENSIONAL ASSESSMENT SYSTEM
135	\$245,000	DETROIT PUBLIC SCHOOLS	Reimann, Christopher	CREATE FOR STEM	DETROIT PS PROFESSIONAL DEVELOPMENT
136	\$10,000	MICHIGAN COLLEGE ACCESS NETWORK	Beverly, Christel	EDUCATION DEAN	DESIGNING A MOBILE APP TO IMPROVE STUDENT AWARENESS OF AND ACCESS TO COLLEGE AND CAREER PATHWAYS: ARE YOU INIT2WINIT©?
137	\$50,000	VARIOUS SCHOOLS	Paine, Lynn	EDUCATION DEAN	CHINESE TEACHER CERTIFICATION PROGRAM
138	\$674,691	US DEPT OF EDUCATION	Imberman, Scott	EDUCATION POLICY CENTER	IMPROVING EDUCATION SYSTEMS THROUGH INTERDISCIPLINARY TRAINING AND PRACTICE: APPLYING SOCIAL SCIENCE TO EDUCATION POLICY AND IMPLEMENTATION RESEARCH
139	\$131,133	NATIONAL INST OF HEALTH	Baez, Shelby	KINESIOLOGY - ED	VIRTUAL REALITY MINDFULNESS MEDITATION IN PATIENTS AFTER ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
140	\$26,287	TUFTS MEDICAL CENTER	Harkey, Matthew	KINESIOLOGY - ED	INTERPRETATION AND UTILITY OF NOVEL COMPOSITE STRUCTURAL ENDPOINTS OF CUMULATIVE DAMAGE AND DISEASE ACTIVITY IN KNEE OSTEOARTHRITIS (GRANT 1R01AR076411)
141	\$8,867	NEW YORK UNIV	Hauck, Janet	KINESIOLOGY - ED	PLAY & LEARNING ACROSS A YEAR (PLAY)
142	\$18,527	NEW YORK UNIV	Lee, Mei Hua	KINESIOLOGY - ED	PLAY & LEARNING ACROSS A YEAR (PLAY)
143	\$99,692	MICHIGAN HEALTH ENDOWMENT FUND	Malete, Leapetswe	KINESIOLOGY - ED	ENHANCING YOUTH PHYSICAL ACTIVITY AND WELL-BEING (YPAW)
144	\$29,990	US DEPT OF THE ARMY	Pontifex, Matthew	KINESIOLOGY - ED	NEUROCOGNITIVE ASSESSMENT OF THE READINESS OF ELITE OPERATORS
145	\$33,131	UNIVERSITY OF MICHIGAN	Halvorsen, Anne-Lise	TEACHER EDUCATION	THE GREAT FIRST EIGHT CURRICULUM
146	\$579,823	NATIONAL SCIENCE FOUNDATION	Richmond, Gail	TEACHER EDUCATION	TEACHING SCIENCE OUTDOORS: A NEXT GENERATION APPROACH FOR ADVANCING ELEMENTARY SCIENCE TEACHING IN URBAN COMMUNITIES
<b>COLLEGE OF ENGINEERING</b>					
147	\$21,966	NATIONAL SCIENCE FOUNDATION	Boehlert, Carl	CHEMICAL ENGINEERING AND MATERIALS SCI	INTERNATIONAL SUPPLEMENT TO EXISTING NSF DMR AWARD
148	\$898,526	GENERAL MOTORS CORP	Boeman, Raymond	CHEMICAL ENGINEERING AND MATERIALS SCI	GM-SURF: DEVELOPMENT OF TAILORED FIBER PLACEMENT, MULTI-FUNCTIONAL, STRUCTURAL BATTERY ENCLOSURE
149	\$192,373	COLLABORATIVE COMPOSITE SOLUTIONS CORP	Boeman, Raymond	CHEMICAL ENGINEERING AND MATERIALS SCI	SORF: TRIMER POLYURETHANE PLAQUE AND COMPONENT HP RTM MOLDING
150	\$442,956	REMADE INST	Dorgan, John	CHEMICAL ENGINEERING AND MATERIALS SCI	COMBICLEAN: AN OPEN ACCESS DATABASE FOR FACILITATING CONTAMINANT REMOVAL FROM RECYCLED PLASTICS
151	\$37,382	GENERAL MOTORS CORP	Fang, Chengcheng	CHEMICAL ENGINEERING AND MATERIALS SCI	STUDYING DISSOLVED METAL MIGRATION, WETTING, AND THERMAL STABILITY OF HIGHLY CONCENTRATED ELECTROLYTE SYSTEM
152	\$199,286	GENERAL MOTORS CORP	Fang, Chengcheng	CHEMICAL ENGINEERING AND MATERIALS SCI	MSU ELECTROLYTE SCREENING
153	\$32,250	NATIONAL SCIENCE FOUNDATION	Garratt, Elias	CHEMICAL ENGINEERING AND MATERIALS SCI	INTERN: FMSG: INTEGRATING ARTIFICIAL INTELLIGENCE IN CHEMICAL VAPOR DEPOSITION FOR IN-SITU PREDICTIVE CRYSTAL GROWTH MANUFACTURING.
154	\$77,404	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	Mendoza Cortes, Jose	CHEMICAL ENGINEERING AND MATERIALS SCI	ENABLING FAST AND EFFICIENT NONAQUEOUS ION (CO-) INTERCALATION FOR HIGH ENERGY DENSITY CHARGE STORAGE VIA SYSTEMATIC INTERFACIAL DESIGN
155	\$156,758	NATIONAL INST OF HEALTH	Szczepanski, Caroline	CHEMICAL ENGINEERING AND MATERIALS SCI	REINFORCING DENTAL ADHESIVES WITH MONOMERS CAPABLE DYNAMIC REARRANGEMENT AND SELF-RECOVERY



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
156	\$406,358	NATIONAL SCIENCE FOUNDATION	Zevalkink, Alexandra	CHEMICAL ENGINEERING AND MATERIALS SCI	COLLABORATIVE RESEARCH: DMREF: DESIGN OF SUPERIONIC CONDUCTORS BY TUNING LATTICE DYNAMICS
157	\$62,993	NATIONAL SCIENCE FOUNDATION	Zevalkink, Alexandra	CHEMICAL ENGINEERING AND MATERIALS SCI	CAREER: DECOUPLING STRUCTURE AND COMPOSITION WITH ZINTL POLYMORPHS
158	\$90,001	ARGONNE NATIONAL LABORATORY	Buch, Neeraj	CIVIL AND ENVIRONMENTAL ENGINEERING	INTEGRATING OPTIMAL ELECTRIC VEHICLE CHARGING INFRASTRUCTURE FOR LIGHT- TO HEAVY-DUTY VEHICLE CLASSES INTO POLARIS FOR METROPOLITAN AREAS
159	\$45,205	NATIONAL SCIENCE FOUNDATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	SUPPLEMENTAL FUNDING: COLLABORATIVE RESEARCH: ENGINEERED WATER REPELLENCY TO MITIGATE FROST SUSCEPTIBILITY: DECOUPLING OSMOTIC AND MATRIC POTENTIAL
160	\$184,389	MINNESOTA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	MNDOT HAUL/DETOUR ROUTES - IMPACT ON LOCAL ROADS
161	\$260,000	MINNESOTA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	COMPARISON OF COMPOST AND PROPRIETARY SOIL AMENDMENTS FOR VEGETATION ESTABLISHMENT
162	\$199,336	MINNESOTA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	EVALUATION OF PROPRIETARY REJUVENATORS
163	\$269,622	NATIONAL SCIENCE FOUNDATION	Cupples, Alison	CIVIL AND ENVIRONMENTAL ENGINEERING	NSF-BSF: DEVELOPING SUSTAINABLE APPROACHES FOR CO-METABOLIC DEGRADATION OF TCE AND DCE IN GROUNDWATER THROUGH STABLE ISOTOPE TEC
164	\$19,957	APPLIED RESEARCH ASSOCIATES INC	Haider, Syed	CIVIL AND ENVIRONMENTAL ENGINEERING	NCHRP/LTPP DATA ANALYSIS: DEVELOP PRACTICAL TOOLS AND PROCEDURES TO IMPROVE WIM DATA QUALITY
165	\$70,000	EATON CORP	Haq, Mahmoodul	CIVIL AND ENVIRONMENTAL ENGINEERING	PHASE II LARGE FORMAT POLYMER AM - INTEGRATION ON PROCESSING MONITORING DATA IN MULTISCALE MODELING
166	\$183,264	US GEOLOGICAL SURVEY	Mantha, Phanikumar	CIVIL AND ENVIRONMENTAL ENGINEERING	CLADOPHORA IN THE GREAT LAKES: FIELD OBSERVATIONS AND MODELING
167	\$314,999	NATIONAL SCIENCE FOUNDATION	Pokhrel, Yadu	CIVIL AND ENVIRONMENTAL ENGINEERING	COLLABORATIVE RESEARCH: ANTHROPOGENIC WATER MANAGEMENT, CLIMATE CHANGE, AND ENVIRONMENTAL SUSTAINABILITY IN THE SOUTHWESTERN US (ACCESS)
168	\$130,157	VANASSE HANGEN BRUSTLIN INC	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	INCORPORATING IMPACTS OF DRIVER DISTRACTION INTO HIGHWAY DESIGN AND TRAFFIC ENGINEERING

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
169	\$85,000	WSP MICHIGAN INC	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	CORRIDOR AND SYSTEMWIDE APPLICATION OF PERFORMANCE BASED PRACTICAL DESIGN
170	\$428,656	NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM	Savolainen, Peter	CIVIL AND ENVIRONMENTAL ENGINEERING	UPDATE OF POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS GUIDANCE ON ACCELERATION/DECELERATION AND STOPPING SIGHT DISTANCE
171	\$32,000	FORD MOTOR CO	Zockaie, Ali	CIVIL AND ENVIRONMENTAL ENGINEERING	SUMMER 2021 SABBATICAL
172	\$17,472	COLLABORATIVE COMPOSITE SOLUTIONS CORP	Drzal, Lawrence	COMPOSITE MATERIALS AND STRUCTURES CTR	IACMI TASK 3.1 - SET UP AND M&O (MANAGEMENT AND OPERATIONS)-PROJECT AGREEMENT #: PA16-0349-3.1-01
173	\$16,000	FORD MOTOR CO	Lei, Huan	COMPUTATIONAL MATH SCI AND ENGR EGR	2021 SUMMER SABBATICAL
174	\$90,464	PURDUE UNIV	Boddeti, Vishnu	COMPUTER SCIENCE AND ENGINEERING	DEVELOPMENT OF ULTRAFAST CAMERAS FOR QUANTUM HEAT ASSISTED DETECTION AND RANGING (Q-HADAR)
175	\$200,000	FORD MOTOR CO	Boddeti, Vishnu	COMPUTER SCIENCE AND ENGINEERING	HUMAN KEYPOINT LOCALIZATION AND TRACKING ON COMPUTE LIMITED HARDWARE
176	\$250,000	NATIONAL SCIENCE FOUNDATION	Bonakdarpour, Borzoo	COMPUTER SCIENCE AND ENGINEERING	COLLABORATIVE RESEARCH: SHF: SMALL: RUNTIME VERIFICATION AT THE EDGE
177	\$444,000	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	INTELLIGENT DIAGNOSIS FOR MACHINE AND HUMAN-CENTRIC ADVERSARIES
178	\$469,949	INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	PRESENTATION ATTACK DETECTION: SOLUTIONS FOR FINGERPRINTS, FACE AND IRIS SYSTEMS
179	\$166,433	NATIONAL SCIENCE FOUNDATION	Tan, Pang-Ning	COMPUTER SCIENCE AND ENGINEERING	III: SMALL: PREDICTION AND CHARACTERIZATION OF EXTREME EVENTS IN SPATIO-TEMPORAL DATA.
180	\$30,000	PENNSYLVANIA STATE UNIV	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	TOWARD INTERPRETABLE AND STABLE GRAPH NEURAL NETWORKS
181	\$16,000	NATIONAL SCIENCE FOUNDATION	Yan, Qiben	COMPUTER SCIENCE AND ENGINEERING	SATC: CORE: SMALL: URADIO: TOWARDS SECURE SMART HOME IOT COMMUNICATION USING HYBRID ULTRASONIC-RF RADIO
182	\$2,286,356	NATIONAL INST OF HEALTH	Zhou, Jiayu	COMPUTER SCIENCE AND ENGINEERING	IDENTIFICATION OF MILD COGNITIVE IMPAIRMENT USING MACHINE LEARNING FROM LANGUAGE AND BEHAVIOR MARKERS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
183	\$130,586	KBR	Albrecht, John	ELECTRICAL AND COMPUTER ENGINEERING	DEVELOPMENT OF A HIGH-ELECTRIC FIELD CARRIER MOBILITY MODELING TOOL BASED ON THE FIRST-PRINCIPLES EPW PACKAGE
184	\$200,000	WRIGHT BROTHERS INST	Albrecht, John	ELECTRICAL AND COMPUTER ENGINEERING	HIGH-EFFICIENCY KA-BAND GAN POWER AMPLIFIERS USING CLASS-J DESIGNS AND INNOVATIVE PACKAGING
185	\$22,626	FRAUNHOFER USA	Asmussen, Jes	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER CENTER RENEWAL
186	\$12,411	UNIVERSITY OF MICHIGAN	Ayres, Virginia	ELECTRICAL AND COMPUTER ENGINEERING	MICHIGAN SPACE GRANT CONSORTIUM PROPOSAL FOR NATIONAL SPACE GRANT COLLEGE AND FELLOWSHIP PROGRAM - NASA STEM FY 2020 – 2024
187	\$24,000	RIVERSIDE RESEARCH	Balasubramaniam, Shanker	ELECTRICAL AND COMPUTER ENGINEERING	COMPUTATIONAL ELECTROMAGNETICS, OPTICS AND DISTRIBUTED RADAR
188	\$183,000	GREAT LAKES CRYSTAL TECHNOLOGIES INC	Baryshev, Sergey	ELECTRICAL AND COMPUTER ENGINEERING	LARGE DIFFRACTION-GRADE SINGLE CRYSTAL DIAMOND FOR APPLICATIONS AT NEW GENERATION SYNCHROTRON AND FEL X-RAY SOURCES
189	\$20,000	AMER SOCIETY FOR NONDESTRUCTIVE TESTING	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	APPLICATION OF GUIDED WAVES FOR CONTROLLED ELECTROMAGNETIC TARGETED HEATING OF CONTINUOUS BOND LINE
190	\$116,279	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	KNOWLEDGE-ENHANCED MICROWAVE BEAMFORMING FOR THERMAL ABLATION OF TUMORS
191	\$38,261	NATIONAL SCIENCE FOUNDATION	Sepulveda Alancastro, Nelson	ELECTRICAL AND COMPUTER ENGINEERING	RELIABLE, FLEXIBLE PATCH FOR MONITORING HEAD INJURIES IN HIGH-CONTACT SPORTS--INTERN
192	\$50,370	US DEPT OF EDUCATION	Sepulveda Alancastro, Nelson	ELECTRICAL AND COMPUTER ENGINEERING	ENABLING TALENTED STUDENTS TO SUCCESSFUL CAREERS IN AREAS OF NATIONAL NEED - SUPPLEMENT REQUEST
193	\$33,322	PRINCETON UNIV	Srivastava, Vaibhav	ELECTRICAL AND COMPUTER ENGINEERING	RESILIENCE AND ROBUSTNESS IN ECOLOGICAL DISTRIBUTED DECISION-MAKING DYNAMICS
194	\$36,411	US NAVAL RESEARCH LABORATORY	Tan, Xiaobo	ELECTRICAL AND COMPUTER ENGINEERING	ACTIVE FLEXIBLE SURFACE FOR BOUNDARY FLOW STUDIES
195	\$154,000	US DEPT OF ENERGY	Verboncoeur, John	ELECTRICAL AND COMPUTER ENGINEERING	STUDIES OF KEY MECHANISMS AND CONTROL STRATEGIES FOR PLASMAS IN MICRO/SUB-MICRO SCALES
196	\$250,000	UNIVERSITY OF NEW MEXICO	Verboncoeur, John	ELECTRICAL AND COMPUTER ENGINEERING	EXPLORATION OF FUNDAMENTAL LIMITS TO HIGH POWER ELECTROMAGNETIC (HPM) AMPLIFICATION
197	\$48,001	NATIONAL INST OF HEALTH	Aguirre, Aitor	INSTITUTE FOR QUANTITATIVE HEALTH	OXYLIPIN SIGNALING IN CONGENITAL HEART DISEASE
198	\$477,403	NATIONAL INST OF HEALTH	Bhattacharya, Sudin	INSTITUTE FOR QUANTITATIVE HEALTH	INTEGRATIVE TRANSCRIPTIONAL AND EPIGENOMIC MODELING OF XENOBIOTIC- ACTIVATED GENE REGULATORY NETWORKS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
199	\$332,381	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Gilad, Assaf	INSTITUTE FOR QUANTITATIVE HEALTH	MOLECULAR IMAGING FOR DETECTION OF SYNTHETIC BIOLOGY CIRCUITS, OSCILLATORS AND TOGGLE SWITCHES IN REGENERATIVE MEDICINE
200	\$248,189	NATIONAL INST OF HEALTH	Johnson, Brian	INSTITUTE FOR QUANTITATIVE HEALTH	ELUCIDATING AHR SIGNALING INTERPLAY IN OROFACIAL CLEFTING AND ENDOCRINE DISRUPTION USING MICROPLATE MICROFLUIDICS
201	\$514,865	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Pelled, Galit	INSTITUTE FOR QUANTITATIVE HEALTH	BIOENGINEERING A NOVEL ELECTROMAGNETIC PERSPECTIVE GENE AS A TOOL FOR WIRELESS CONTROL OF EXCITABLE CELLS
202	\$37,118	NATIONAL INST OF HEALTH	Riggins, Tiair	INSTITUTE FOR QUANTITATIVE HEALTH	NEUROTECHNOLOGY DESIGN FEATURES' IMPACT ON THE IDENTITY AND FUNCTION OF REACTIVE ASTROCYTES
203	\$42,455	STANFORD UNIV	Smith, Bryan	INSTITUTE FOR QUANTITATIVE HEALTH	PRECISION NANOTHERAPIES FOR CARDIOVASCULAR DISEASE
204	\$32,538	NATIONAL SCIENCE FOUNDATION	Anthony, Rebecca	MECHANICAL ENGINEERING	CAREER: CONTINUOUS, VAPOR-PHASE MANUFACTURING OF ANISOTROPIC SILICON NANOSTRUCTURES
205	\$343,561	OREGON STATE UNIV	Benard, Andre	MECHANICAL ENGINEERING	FRESHWATER RECOVERY SYSTEM FOR HYDRAULIC FRACTURING (FRESH-FRAC) USING A THERMALLY-ACTUATED NOZZLE-DEMISTER
206	\$550,000	NATIONAL SCIENCE FOUNDATION	Bush, Tamara	MECHANICAL ENGINEERING	SIXTH SENSE - A WHEELCHAIR THAT KNOWS YOUR NEEDS BEFORE YOU DO
207	\$14,000	NATIONAL SCIENCE FOUNDATION	Gao, Tong	MECHANICAL ENGINEERING	CAREER: UNVEILING THE STABILITY, RHEOLOGY, AND TOPOLOGY OF ACTIVE FLUIDS
208	\$80,000	AGRICULTURAL RESEARCH SERVICE	Li, Zhaojian	MECHANICAL ENGINEERING	DEVELOPMENT OF A CONTROL AND PLANNING SYSTEM FOR AN APPLE ROBOTIC HARVESTER
209	\$55,000	LOS ALAMOS NATL LABORATORY	Mejia-Alvarez, Ricardo	MECHANICAL ENGINEERING	EXPERIMENTAL MEASUREMENTS OF KELVIN-HELMHOLTZ INSTABILITIES WITH HIGH VISCOSITY RATIOS
210	\$80,864	OFFICE OF NAVAL RESEARCH	Mukherjee, Ranjan	MECHANICAL ENGINEERING	PERFORMANCE OPTIMIZATION OF AN UNDERWATER VEHICLE PROPELLED BY A FLUTTERING TAIL
211	\$54,941	OFFICE OF NAVAL RESEARCH	Nadimpalli, Siva	MECHANICAL ENGINEERING	DEVELOPMENT OF STRAIN-BASED HEALTH MONITORING AND THERMAL RUNAWAY DETECTION METHOD
212	\$96,864	BROWN UNIV	Zayernouri, Mohsen	MECHANICAL ENGINEERING	FRACTIONAL PDES FOR CONSERVATION LAWS AND BEYOND: THEORY, NUMERICS AND APPLICATIONS
213	\$115,000	MID MICHIGAN RESEARCH LLC	Zhu, Guoming	MECHANICAL ENGINEERING	TESTING OF A JETFIRE ENGINE - PHASE II
<b>COLLEGE OF HUMAN MEDICINE</b>					

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
214	\$27,345	SEATTLE GENETICS INC	Isaac, Daniel	CANCER CENTER	A STUDY OF ENFORTUMAB VEDOTIN (ASG-22CE) AS MONOTHERAPY OR IN COMBINATION WITH OTHER ANTICANCER THERAPIES FOR THE TREATMENT OF UROTHELIAL CANCER.
215	\$502,709	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Custack, Amy	CHM FLINT	INNOVATIVE NUTRITION PRACTICES IN PEDIATRIC HEALTH CARE: ASSESSMENT OF A FRUIT AND VEGETABLE PRESCRIPTION PROGRAM FOR CHILDREN IN NEED
216	\$75,000	COMMUNITY FOUNDATION OF GREATER FLINT	Hanna-Attisha, Mona	CHM FLINT	EXPANSION OF NUTRITION PRESCRIPTION PROGRAM: A PRENATAL PILOT
217	\$175,000	THE JPB FOUNDATION	Hanna-Attisha, Mona	CHM FLINT	PEDIATRIC PUBLIC HEALTH INITIATIVE ALICE HAMILTON SCHOLARS TRAINING PROGRAM
218	\$251,700	GEORGE MASON UNIV	Johnson, Jennifer	CHM FLINT	EVALUATION OF STEPPING UP EFFORTS TO IMPROVE MH SERVICES AND JUSTICE UTILIZATION
219	\$664,218	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Johnson, Jennifer	CHM FLINT	IPT FOR MAJOR DEPRESSION FOLLOWING PERINATAL LOSS
220	\$32,061	UNIVERSITY OF MICHIGAN	Key, Kent	CHM FLINT	RECRUITING AND RETAINING OLDER AFRICAN AMERICANS INTO RESEARCH (ROAR)
221	\$177,404	NATIONAL HEART LUNG & BLOOD INST	Lucas, Todd	CHM FLINT	THE RESEARCH TO REDUCE DISPARITIES IN DISEASE (R2D2)
222	\$50,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Ondersma, Steven	CHM FLINT	MICHIGAN STATE OPIOID RESPONSE 2 PROJECT
223	\$150,000	UNIVERSITY OF MICHIGAN	Ondersma, Steven	CHM FLINT	COMPREHENSIVE MC3 FOR MOMS
224	\$377,490	NATIONAL INST OF HEALTH	Ondersma, Steven	CHM FLINT	ACCELERATING COLLABORATIVE, CUMULATIVE, AND OPEN INTERVENTION SCIENCE WITH AN E-INTERVENTION AUTHORIZING PLATFORM
225	\$283,062	NATIONAL INST OF ALCOHOL ABUSE & ALCOHOLISM	Ondersma, Steven	CHM FLINT	SCALING UP: A MULTI-SITE TRIAL OF E-SBI FOR ALCOHOL USE IN PREGNANCY
226	\$34,829	UNIVERSITY OF MICHIGAN	Bohnert, Kipling	EPIDEMIOLOGY AND BIOSTATISTICS	FACILITATING USE OF THE NATIONAL SUICIDE PREVENTION LIFELINE IN ALCOHOL PATIENTS
227	\$75,256	UNIVERSITY OF FLORIDA	Li, Chenxi	EPIDEMIOLOGY AND BIOSTATISTICS	METHODS AND SOFTWARE FOR HIGH-DIMENSIONAL RISK PREDICTION RESEARCH

**Gift, Grant and Contract Report  
Board of Trustees  
September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
228	\$381,888	NATIONAL INST OF HEALTH	Margerison, Claire	EPIDEMIOLOGY AND BIOSTATISTICS	POLICY CHANGE AND WOMEN'S HEALTH
229	\$365,958	NATIONAL INST OF HEALTH	Misra, Dawn	EPIDEMIOLOGY AND BIOSTATISTICS	FATHERS MATTER: FATHERS CONTRIBUTIONS TO BIRTH OUTCOMES IN BLACK FAMILIES
230	\$328,232	NATIONAL INST ON DEAFNESS & OTHER COMMUNICATION DISORDERS	Talge, Nicole	EPIDEMIOLOGY AND BIOSTATISTICS	FALSE POSITIVE NEWBORN HEARING SCREENING RESULTS AND AUTISM SPECTRUM DISORDER
231	\$78,250	NATIONAL INST OF HEALTH	de los Campos, Gustavo	EPIDEMIOLOGY AND BIOSTATISTICS	PLEIOR: A POWERFUL AND FAST TEST AND SOFTWARE FOR THE STUDY OF PLEIOTROPY IN SYSTEMS INVOLVING MANY TRAITS WITH BIOBANK-SIZED DATA
232	\$195,081	HEALTH RESOURCES & SERVICES ADMINISTRATION	Edwards-Johnson, Jennifer	FAMILY MEDICINE, DEPARTMENT OF	DEVELOPMENT OF A CURRICULUM IN PRIMARY CARE OF UNDERSERVED PATIENTS
233	\$541,248	NATIONAL INST OF HEALTH	Morishita, Masako	FAMILY MEDICINE, DEPARTMENT OF	REDUCING PARTICULATE MATTER-ASSOCIATED CARDIOVASCULAR HEALTH EFFECTS FOR SENIORS
234	\$53,855	NATIONAL INST ON DRUG ABUSE	Vanderziel, Alyssa	FAMILY MEDICINE, DEPARTMENT OF	CANNABIS LEGALIZATION AND USE DURING PREGNANCY: A MICHIGAN STUDY
235	\$100,000	MICHIGAN HEALTH ENDOWMENT FUND	Hirko, Kelly	HUMAN MEDICINE DEAN	TELEMEDICINE TO IMPROVE HEALTHCARE ACCESS FOR RURAL SENIORS
236	\$66,390	NATIONAL INST OF HEALTH	Heyza, Joshua	INSTITUTE FOR QUANTITATIVE HEALTH	DEFINING THE MECHANISM OF SHIELDIN COMPLEX IN DNA END JOINING
237	\$7,825	NATIONAL INST OF HEALTH	Wang, Ping	INSTITUTE FOR QUANTITATIVE HEALTH	MAGNETIC PARTICLE IMAGING OF TRANSPLANTED ISLETS IN TYPE 1 DIABETES ANIMAL MODELS
238	\$183,840	NATIONAL INST OF FOOD & AGRICULTURE	Bates, Ronald	MEDICINE	MICHIGAN AGRABILITY
239	\$50,000	CENTERS FOR DISEASE CONTROL & PREVENTION	Rosenman, Kenneth	MEDICINE	EVALUATING THE LONG-TERM IMPACT OF COVID-19 WITHIN WORKERS' COMPENSATION SYSTEMS
240	\$606,819	NATIONAL INST OF HEALTH	Jeong, Jaewook	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	EPIGENETIC REGULATION OF RECEPTIVE ENDOMETRIUM
241	\$219,491	NATIONAL CANCER INST	MacKeigan, Jeffrey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	THERAPEUTIC POTENTIAL OF TARGETING DNA REPAIR DEFICIENCY IN TSC

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
242	\$36,815	NATIONAL INST OF HEALTH	Marquardt, Ryan	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	THE ROLE OF ARID1A IN ENDOMETRIOSIS-RELATED INFERTILITY
243	\$170,078	NATIONAL INST OF HEALTH	Meghea, Cristian	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	A SMARTPHONE INTERVENTION FOR PREGNANCY SMOKING CESSATION WITH PEER SUPPORT
244	\$20,000	SOCIETY FOR REPRODUCTIVE INVESTIGATION	Paul, Emmanuel	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	ROLE OF MESENCHYMAL STEM CELLS ON UTERINE FIBROIDS
245	\$130,000	SPECTRUM HEALTH SYSTEM	Roman, Leeanne	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	HEALTHY START INITIATIVE: ELIMINATING DISPARITIES IN PERINATAL HEALTH
246	\$205,542	NATIONAL INST OF HEALTH	Teixeira, Jose	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	STEM CELL EPIGENETICS IN UTERINE FIBROIDS
247	\$416,266	NATIONAL INST OF HEALTH	Chen, Bin	PEDIATRICS AND HUMAN DEVELOPMENT	REPURPOSE OPEN DATA TO DISCOVER THERAPEUTICS FOR UNDERSTUDIED DISEASES
248	\$60,000	HEMOPHILIA FOUNDATION OF MICHIGAN	Jobe, Shawn	PEDIATRICS AND HUMAN DEVELOPMENT	MATERNAL CHILD HEALTH BUREAU (MCHB) GRANT
249	\$8,368	BIOVERATIV THERAPEUTICS INC	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	EFC16293 XTEND-1: A PHASE 3 OPEN LABEL, MULTICENTER STUDY OF THE SAFETY, EFFICACY, PHARMACOKINETICS OF RFVIIIIFC-VWF-XTEN;BVV001 IN PREVIOUSLY TREATED PATIENTS 12 YO OR OLDER WITH SEVERE HEMOPHILIA A
250	\$70,000	CYSTIC FIBROSIS RESEARCH INC	Li, Xiaopeng	PEDIATRICS AND HUMAN DEVELOPMENT	TARGETING V-TYPE ATPASE IN HUMAN SMALL AIRWAYS FOR CF LUNG DISEASE TREATMENT
251	\$153,198	SPECTRUM HEALTH SYSTEM	Prokop, Jeremy	PEDIATRICS AND HUMAN DEVELOPMENT	ENHANCING THE DIAGNOSTIC ACCURACY OF RAPID WHOLE GENOME SEQUENCING IN NEONATES WITH RARE OR UNKNOWN DISEASES
252	\$79,150	CYSTIC FIBROSIS FOUNDATION	Thomas, Ryan	PEDIATRICS AND HUMAN DEVELOPMENT	MICHIGAN STATE UNIVERSITY CYSTIC FIBROSIS CENTER GRANT 2021
253	\$204,716	NATIONAL INST OF HEALTH	Upham, Brad	PEDIATRICS AND HUMAN DEVELOPMENT	HIGH-THROUGHPUT TOXICITY SCREENING OF ENVIRONMENTAL CONTAMINANTS AND DRUG CANDIDATES USING A NOVEL GAP JUNCTION INTERCELLULAR COMMUNICATION BIOASSAY IN LUNG AND LIVER CELLS
254	\$704,249	US DEPT OF THE ARMY	Vogt, Daniel	PEDIATRICS AND HUMAN DEVELOPMENT	UNCOVERING MECHANISMS UNDERLYING COGNITIVE CHANGES AND SLEEP IN NF1
255	\$383,687	NATIONAL INST OF HEALTH	Galligan, James	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	IDENTIFICATION OF ENTERIC NERVE CIRCUITS CONTROLLING GUT MOTILITY

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
256	\$345,078	NATIONAL INST OF HEALTH	Galligan, James	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	IDENTIFICATION OF ENTERIC NERVE CIRCUITS CONTROLLING GUT MOTILITY
257	\$568,220	NATIONAL INST OF HEALTH	Moore, Anna	RADIOLOGY HUMAN MEDICINE	ANTI-MIR-10B NANODRUG FOR TREATMENT OF BREAST CANCER METASTASIS: STUDY IN COMPANION ANIMALS
258	\$55,000	RESEARCH CORP FOR SCIENCE ADVANCEMENT	Wang, Ping	RADIOLOGY HUMAN MEDICINE	LIGHT-SHEET IMAGING OF 3D BIOPRINTED ISLET ORGANOID STRUCTURE AND FUNCTION
259	\$430,375	NATIONAL INST OF HEALTH	Wang, Ping	RADIOLOGY HUMAN MEDICINE	IN VIVO TRACKING OF INHALED ACE2 TARGETING THERANOSTIC NANODRUGS DELIVERY TO THE LUNGS USING MAGNETIC PARTICLE IMAGING
260	\$60,000	MICHIGAN COUNCIL FOR MATERNAL & CHILD HEALTH	Ford, Sabrina	THE INSTITUTE FOR HEALTH POLICY	MCMCH-MSU IHP
261	\$138,065	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	NURSING FACILITY DATA TRACKING
262	\$352,125	NATIONAL INST OF HEALTH	Benskey, Matthew	TRANSLATIONAL NEUROSCIENCE	TARGETING COMPLEMENT COMPONENT 3 IN A MODEL OF SYNUCLEINOPATHY
263	\$1,376,153	REGENXBIO INC	Collier, Kathy	TRANSLATIONAL NEUROSCIENCE	DEVELOPMENT AND FUNCTIONAL TESTING OF MIRNA CAV1.3 KNOCKDOWN IN STRIATAL MSNS AND SNC DA NEURONS
264	\$568,415	NATIONAL INST OF HEALTH	Collier, Kathy	TRANSLATIONAL NEUROSCIENCE	GENETIC SILENCING OF STRIATAL CAV1.3 CALCIUM CHANNELS AS A POTENT ANTIDYSKINETIC THERAPY FOR PD
265	\$595,649	DIGNITY HEALTH - ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	NEUROFIBRILLARY TANGLE EVOLUTION IN MILD COGNITIVE IMPAIRMENT
266	\$194,515	WAYNE STATE UNIV	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	MAGNETIC SUSCEPTIBILITY AND VOLUME OF MICROVASCULAR LESIONS AS PROOF-OF-CONCEPT BIOMARKERS FOR MIXED DEMENTIA
267	\$589,482	NATIONAL INST OF HEALTH	Gordon, Marcia	TRANSLATIONAL NEUROSCIENCE	GEROSCIENCE APPROACHES TO MITIGATE TAUOPATHY IN AGED MOUSE BRAIN
268	\$182,093	UNIVERSITY OF NORTH TEXAS	Morgan, David	TRANSLATIONAL NEUROSCIENCE	DISCOVERY OF FUNCTIONALLY SELECTIVE ALZHEIMER'S DISEASE THERAPEUTICS
269	\$491,334	NATIONAL INST OF HEALTH	Sortwell, Caryl	TRANSLATIONAL NEUROSCIENCE	STN DBS EFFECTS ON NEUROINFLAMMATION AND DEGENERATION INDUCED BY ALPHA-SYNUCLEIN INCLUSIONS
<b>JAMES MADISON COLLEGE</b>					



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
270	\$24,681	ELECTRIC POWER RESEARCH INST	Moore, Sharlissa	JAMES MADISON COLLEGE DEAN	SOLAR PANEL AND LAND USE WHITE PAPER
<b>LYMAN BRIGGS COLLEGE</b>					
271	\$45,810	NATIONAL SCIENCE FOUNDATION	Brandt, Marisa	LYMAN BRIGGS DEAN	COLLABORATIVE RESEARCH: COLLABORATIVE RESEARCH AND EDUCATION ARCHITECTURE FOR TRANSFORMATIVE ENGAGEMENT WITH STS (CREATE/STS)
<b>COLLEGE OF MUSIC</b>					
272	\$20,000	PNC FOUNDATION	Demott, Jaime	COMMUNITY MUSIC SCHOOL	EARLY CHILDHOOD MUSIC WITH GROW UP GREAT
273	\$25,000	CHRISTOPHER & DANA REEVE FOUNDATION	Demott, Jaime	COMMUNITY MUSIC SCHOOL	INCREASING ACCESS TO FOSTER ENGAGEMENT AND SOCIAL CONNECTEDNESS DURING COVID-19 TIMES
274	\$10,000	AT&T FOUNDATION	Woodward, Jill	COMMUNITY MUSIC SCHOOL	AT&T FOUNDATION VIRTUAL SUMMER PROGRAM AWARD
275	\$65,000	ERB FAMILY FOUNDATION	Woodward, Jill	COMMUNITY MUSIC SCHOOL	MSU COMMUNITY MUSIC SCHOOL-DETROIT JAZZ EDUCATION AND MENTORSHIP PROGRAM
<b>COLLEGE OF NATURAL SCIENCE</b>					
276	\$72,265	NATIONAL SCIENCE FOUNDATION	Della Penna, Dean	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	SUPPLEMENT TO: RESEARCH-PGR: A GENOME-LEVEL APPROACH TO BALANCING THE VITAMIN CONTENT OF MAIZE GRAIN
277	\$255,537	NATIONAL SCIENCE FOUNDATION	Dickson, Alexander	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	KINETICS-DRIVEN DRUG DISCOVERY USING PERSISTENT HOMOLOGY, RARE-EVENT MOLECULAR DYNAMICS AND EXPERIMENTAL DATA
278	\$210,074	UNIVERSITY OF NORTH TEXAS	Grotewold, Erich	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	FUNCTIONAL ANALYSIS OF CANDIDATE GENES INVOLVED IN OIL STORAGE AND STABILITY IN PENNYCRESS
279	\$228,260	NATIONAL SCIENCE FOUNDATION	Kuo, Min	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	TRIACYLGLYCEROL AND LIFESPAN CONTROL IN A MODEL ORGANISM SACCHAROMYCES CEREVISIAE
280	\$292,577	NATIONAL INST OF HEALTH	Last, Robert	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	PLANT BIOTECHNOLOGY FOR HEALTH AND SUSTAINABILITY
281	\$200,000	AG SPECTRUM CO	Lundquist, Peter	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	ADAPTIVE BIOCHEMICAL AND PHYSIOLOGICAL RESPONSES OF MAIZE HYBRID LINES TO MANAGED VARIABLES UNDER ABIOTIC STRESS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
282	\$181,445	NATIONAL SCIENCE FOUNDATION	Parent, Kristin	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	CAREER: UNCOVERING THE STRANGE BIOLOGY OF ELUSIVE SHIGELLA PHAGES AND THEIR ROLES IN HORIZONTAL GENE TRANSFER
283	\$730,527	NATIONAL INST OF HEALTH	Quinn, Robert	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	DETERMINING HOW A DYNAMIC MICROBIOME CONTRIBUTES TO CYSTIC FIBROSIS LUNG DISEASE
284	\$32,967	NATIONAL INST OF HEALTH	Raicu, Ana-Maria	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	THE RETINOBLASTOMA COREPRESSOR FAMILY: PRECISION TARGETING FOR DISCERNING GENE REGULATORY MECHANISMS IN THE DROSOPHILA EYE
285	\$150,000	ARNOLD & MABEL BECKMAN FOUNDATION	TerAvest, Michaela	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	A BACTERIAL CHASSIS TO CONVERT ELECTRICITY AND CARBON DIOXIDE INTO SUSTAINABLE FUELS
286	\$190,663	US DEPT OF ENERGY	Beck, Warren	CHEMISTRY	LIGHT HARVESTING IN SEMICONDUCTOR QUANTUM DOTS
287	\$186,491	US DEPT OF ENERGY	Beck, Warren	CHEMISTRY	ENERGY TRANSFER AND RADIATIONLESS DECAY IN LIGHT-HARVESTING PROTEINS
288	\$307,271	NATIONAL INST OF HEALTH	Borhan, Babak	CHEMISTRY	PROTEIN/CHROMOPHORE INTERACTIONS VIA PROTEIN DESIGN: INTERROGATION AND APPLICATION
289	\$33,922	NATIONAL SCIENCE FOUNDATION	Dantus, Marcos	CHEMISTRY	COVID SUPPLEMENT QLC: EAGER: QUANTUM CONTROL OF ENERGY TRANSFER PATHWAYS AND CHEMICAL REACTIONS
290	\$476,186	NATIONAL SCIENCE FOUNDATION	Harel, Elad	CHEMISTRY	MEASURING ELECTRONIC COHERENCE AT THE SINGLE-MOLECULE LEVEL WITH NONLINEAR COHERENT SPECTROSCOPY
291	\$75,000	OFFICE OF NAVAL RESEARCH	Harel, Elad	CHEMISTRY	ULTRASENSITIVE AND RAPID MULTI-DIMENSIONAL SPECTRAL SENSING AT STANDOFF DISTANCES BY NON-UNIFORM SAMPLING AND STATISTICAL RECONSTRUCTION
292	\$212,182	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	ENABLING SYNTHESIS AND BIOLOGICAL STUDIES OF HOMOGENEOUS HEPARAN SULFATE AND CHONDROITIN SULFATE GLYCO-POLYPEPTIDES AND PROTEOGLYCANS
293	\$300,000	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	SYNTHETIC GLYCAN CONJUGATES WITH BACTERIOPHAGE QBETA FOR BROAD SPECTRUM ANTI-SALMONELLA VACCINES
294	\$529,758	NATIONAL INST OF HEALTH	Merz, Kenneth	CHEMISTRY	MODELING TRANSITION METAL ION BINDING TO PROTEINS
295	\$224,943	US DEPT OF ENERGY	Smith, Milton	CHEMISTRY	ELECTROCATALYTIC OXIDATION OF AMMONIA FOR ENERGY CONVERSION AND STORAGE
296	\$116,679	OFFICE OF NAVAL RESEARCH	Swain, Greg	CHEMISTRY	INHIBITING GALVANIC CORROSION OF ALUMINUM ALLOYS JOINED WITH CARBON FIBER COMPOSITES

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
297	\$9,000	US ARMY RESEARCH OFFICE	Swain, Greg	CHEMISTRY	SPECTROELECTROCHEMICAL STUDIES OF REDOX REACTIONS AND ELECTRIFIED INTERFACES AT NANOSTRUCTURED CARBON ELECTRODES IN ROOM TEMPERATURE IONIC LIQUIDS
298	\$428,566	NATIONAL INST OF HEALTH	Tepe, Jetze	CHEMISTRY	SMALL MOLECULE INDUCED PROTEOLYTIC DESTRUCTION OF INTRINSICALLY DISORDERED PROTEINS
299	\$357,254	NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES	Weliky, David	CHEMISTRY	SOLID-STATE NMR OF VIRAL FUSION PEPTIDES AND PROTEINS
300	\$170,766	REATA PHARMACEUTICALS	Wilson, Angela	CHEMISTRY	MEDICINAL CHEMISTRY
301	\$454,075	NATIONAL SCIENCE FOUNDATION	Wilson, Angela	CHEMISTRY	MOLECULAR-LEVEL INSIGHT INTO PFAS ADSORPTION AND DYNAMICS IN THE ENVIRONMENT
302	\$66,000	UNIVERSITY OF IOWA	Bazavov, Alexei	COMPUTATIONAL MATH SCI AND ENGR CNS	FOUNDATIONS OF QUANTUM COMPUTING FOR GAUGE THEORIES AND QUANTUM GRAVITY
303	\$79,896	NATIONAL SCIENCE FOUNDATION	Hirn, Matthew	COMPUTATIONAL MATH SCI AND ENGR CNS	CAREER: UNDERSTANDING INVARIANT CONVOLUTIONAL NEURAL NETWORKS THROUGH MANY PARTICLE PHYSICS
304	\$72,563	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Hirn, Matthew	COMPUTATIONAL MATH SCI AND ENGR CNS	MAKING QUANTUM COMPUTERS LESS NOISY AND MORE USEFUL
305	\$360,120	NATIONAL INST OF HEALTH	Krishnan, Arjun	COMPUTATIONAL MATH SCI AND ENGR CNS	RESOLVING AND UNDERSTANDING THE GENOMIC BASIS OF HETEROGENEOUS COMPLEX TRAITS AND DISEASE
306	\$63,338	NATIONAL SCIENCE FOUNDATION	Lei, Huan	COMPUTATIONAL MATH SCI AND ENGR CNS	MACHINE-LEARNING BASED MODELING OF MULTISCALE DYNAMIC SYSTEMS WITH NON-MARKOVIAN STATE-DEPENDENT MEMORY
307	\$70,458	NATIONAL INST OF HEALTH	Mancuso, Christopher	COMPUTATIONAL MATH SCI AND ENGR CNS	INCORPORATING MOLECULAR NETWORK KNOWLEDGE INTO PREDICTIVE DATA-DRIVEN MODELS
308	\$325,001	NATIONAL INST OF HEALTH	Wang, Jianrong	COMPUTATIONAL MATH SCI AND ENGR CNS	STATISTICAL MODELING OF LONG-RANGE CHROMATIN INTERACTIONS ON GENE REGULATION AND UNDERLYING MOLECULAR MECHANISMS
309	\$167,011	NATIONAL SCIENCE FOUNDATION	Wang, Jianrong	COMPUTATIONAL MATH SCI AND ENGR CNS	CAREER: DELINEATE CONTEXT-SPECIFIC GENE REGULATION IN 3D CHROMATIN SPACE
310	\$259,724	NATIONAL INST OF HEALTH	Bayer, Irene	CREATE FOR STEM	HEALTH IN OUR HANDS: BUILDING AND SUSTAINING STUDENT ENGAGEMENT IN GENOMIC AND ENVIRONMENTAL HEALTH SCIENCES THROUGH A COMMUNITY-SCHOOL PARTNERSHIP
311	\$75,484	NATIONAL SCIENCE FOUNDATION	Libarkin, Julie	CREATE FOR STEM	PROJECT INCUBATION: BUILDING CAPACITY FOR ETHICAL COMMUNICATION BETWEEN VULNERABLE FENCELINE COMMUNITIES, AND ENVIRONMENTAL AGENCIES

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
312	\$194,523	ECOSYSTEM SERVICES MARKET CONSORTIUM	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	NOVEL SURROGATE MEASUREMENTS FOR ESTIMATING GHG EMISSIONS AND ECOSYSTEMS SERVICES THROUGH MACHINE LEARNING USING LONG-TERM EMPIRICAL DATA AND REMOTE SENSING IMAGERY
313	\$120,000	WATTTIME	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	ESTIMATING COUNTRY-LEVEL DIRECT N2O EMISSIONS FROM MANAGED AGRICULTURAL SOILS
314	\$304,714	NATIONAL SCIENCE FOUNDATION	Burke, Janet	EARTH AND ENVIRONMENTAL SCIENCES	DEVELOPMENT AND APPLICATION OF THE FORAMINIFERAL I/CA PALEOREDOX PROXY
315	\$311,434	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
316	\$13,014	PLANETARY SCIENCE INSTITUTE	Jacobson, Seth	EARTH AND ENVIRONMENTAL SCIENCES	THE SUBLIMATION-DRIVEN MIGRATION OF SMALL TERRESTRIAL PLANETS
317	\$141,886	US DEPT OF STATE	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	RECOVERY, DIGITIZATION, AND ANALYSIS OF SOVIET PEACEFUL NUCLEAR EXPLOSION SEISMOGRAMS
318	\$7,675	NATIONAL SCIENCE FOUNDATION	Rooney, Tyrone	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: CONSTRAINING THE TEMPORAL EVOLUTION OF MANTLE PLUME CONTRIBUTIONS TO MAGMATISM IN THE TURKANA DEPRESSION
319	\$114,269	NATIONAL SCIENCE FOUNDATION	Wei, Songqiao	EARTH AND ENVIRONMENTAL SCIENCES	COLLABORATIVE RESEARCH: INTERACTIONS BETWEEN THE TONGA-LAU SUBDUCTION SYSTEM AND THE SAMOAN PLUME
320	\$80,200	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Cognato, Anthony	ENTOMOLOGY NATURAL SCIENCE	CONTINUATION OF MORPHOLOGICAL AND DNA DIAGNOSTIC TOOLS FOR LARVAL AND ADULT SOFTWOOD BORING BEETLES (CERAMBYCIDAE): COMPLETION AND EXPANSION OF LARVAL AND ADULT DIAGNOSTIC IDENTIFICATION TOOLS.
321	\$37,812	ANIMAL & PLANT HEALTH INSPECTION SERVICE	Cognato, Anthony	ENTOMOLOGY NATURAL SCIENCE	XYLEBORINE AMBROSIA BEETLE ID TOOLS
322	\$1,425,634	NATIONAL SCIENCE FOUNDATION	White, Peter	ENTOMOLOGY NATURAL SCIENCE	MOTHEd - AUTHENTIC SCIENCE FOR ELEMENTARY AND MIDDLE SCHOOL STUDENTS
323	\$17,386	NATIONAL SCIENCE FOUNDATION	Boughman, Janette	INTEGRATIVE BIOLOGY	DIMENSIONS: COLLABORATIVE RESEARCH: DIVERSIFICATION OF SENSORY SYSTEMS IN NOVEL HABITAT: ENHANCED VISION OR COMPENSATION IN OTHER MODALITIES?
324	\$81,396	NATIONAL SCIENCE FOUNDATION	Braasch, Ingo	INTEGRATIVE BIOLOGY	EDGE FGT: FUNCTIONAL GENOMICS IN GAR - DISCOVERY TOOLS FOR MAJOR VERTEBRATE TRANSITIONS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
325	\$29,021	MICHIGAN ENVIRONMENTAL COUNCIL	Doll, Julie	KELLOGG BIOLOGICAL STATION NAT SCI	SUSTAINABLE AGRICULTURE IN MICHIGAN BY INCORPORATING SOIL HEALTH
326	\$165,000	NATIONAL INST OF FOOD & AGRICULTURE	Evans, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	USING SOIL MICROBIAL FUNCTIONAL TRAITS AND TRADE-OFFS TO EXPLAIN SOIL CARBON STORAGE AND CROP RESPONSE TO DROUGHT
327	\$546,852	INDIANA UNIV	Evans, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	CNH2-L: RESILIENCE TO DROUGHT OR A DROUGHT OF RESILIENCE? THE POTENTIAL FOR INTERACTIONS AND FEEDBACKS BETWEEN HUMAN ADAPTATION AND ECOLOGICAL ADAPTATION
328	\$33,800	NATIONAL SCIENCE FOUNDATION	Evans, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	COLLABORATIVE RESEARCH: MICROBES, MEMORY, AND MOISTURE: LEVERAGING DROUGHTNET TO PREDICT HOW MICROBIAL MOISTURE RESPONSES WILL IMPACT CARBON CYCLING
329	\$62,391	NATIONAL SCIENCE FOUNDATION	Fitzpatrick, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	ROA SUPPLEMENT TO BEE: TESTING ECO-EVOLUTIONARY EFFECTS OF GENETIC DRIFT AND GENE FLOW IN STRESSFUL ENVIRONMENTS
330	\$6,809	DUKE UNIV	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	MANAGING METAPOPOPULATIONS OF THREATENED SPECIES ACROSS JURISDICTIONAL BOUNDARIES: QUANTIFYING EFFECTS OF CLIMATE CHANGE, ENVIRONMENTAL SYNCHRONY, DISPERSAL, AND CORRIDORS
331	\$464,000	US FISH & WILDLIFE SERVICE	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	POWESHIEK SKIPPERLING EX-SITU AND GENOMIC ANALYSIS
332	\$1,127,000	NATIONAL SCIENCE FOUNDATION	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	LTER: MECHANISMS OF RESILIENCE IN AGRICULTURAL LANDSCAPES
333	\$425,872	AGRICULTURAL RESEARCH SERVICE	Robertson, GPhilip	KELLOGG BIOLOGICAL STATION NAT SCI	COLLABORATIVE LONG-TERM AGRICULTURAL RESEARCH (LTAR): ECOSYSTEM SERVICES FROM ROW-CROP AGRICULTURE
334	\$161,607	NATIONAL SCIENCE FOUNDATION	Hedden, Matthew	MATHEMATICS	FLOER HOMOLOGY, CONCORDANCE, AND COMPLEX CURVES
335	\$436,377	NATIONAL SCIENCE FOUNDATION	Hedden, Matthew	MATHEMATICS	TOPOLOGY AND GEOMETRY AT THE INTERFACE OF DIMENSIONS 3 AND 4
336	\$81,958	NATIONAL SCIENCE FOUNDATION	Kachkovskiy, Ilya	MATHEMATICS	CAREER: QUANTUM SYSTEMS WITH DETERMINISTIC DISORDER
337	\$314,000	NATIONAL SCIENCE FOUNDATION	Kulkarni, Rajesh	MATHEMATICS	NONCOMMUTATIVE ALGEBRAS AND THEIR INTERACTIONS WITH ALGEBRAIC AND ARITHMETIC GEOMETRY
338	\$365,000	NATIONAL SCIENCE FOUNDATION	Shapiro, Michael	MATHEMATICS	COLLABORATIVE RESEARCH: GENERALIZED CLUSTER STRUCTURES ON POISSON VARIETIES AND APPLICATIONS
339	\$46,268	NATIONAL SCIENCE FOUNDATION	Wake, Preston	MATHEMATICS	EXPLICIT GALOIS DEFORMATION THEORY, MODULAR FORMS, AND IWASAWA THEORY

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
340	\$83,449	NATIONAL SCIENCE FOUNDATION	Wang, Zhenqi	MATHEMATICS	CAREER: NEW METHODS AND APPLICATIONS FOR SMOOTH RIGIDITY OF ALGEBRAIC ACTIONS
341	\$318,268	NATIONAL INST OF HEALTH	Wei, Guowei	MATHEMATICS	SYNERGISTIC INTEGRATION OF TOPOLOGY AND MACHINE LEARNING FOR THE PREDICTIONS OF PROTEIN-LIGAND BINDING AFFINITIES AND MUTATION IMPACTS
342	\$189,617	UNIVERSITY OF CHICAGO	Crosson, Sean	MICROBIOLOGY MOLECULAR GENETICS CNS	HOST AND MICROBIAL BASIS OF HUMAN ULCERATIVE COLITIS AND POUCHITIS: IDENTIFICATION, ROLE, MECHANISMS, AND RESOURCE DEVELOPMENT OF HOST SUSCEPTIBILITY AND PATHOBIONT FACTORS
343	\$8,235	NATIONAL INST OF HEALTH	Hammer, Neal	MICROBIOLOGY MOLECULAR GENETICS CNS	27TH ANNUAL MIDWEST MICROBIAL PATHOGENESIS CONFERENCE (MMPC)
344	\$439,938	NATIONAL SCIENCE FOUNDATION	Shade, Ashley	MICROBIOLOGY MOLECULAR GENETICS CNS	COLLABORATIVE RESEARCH: MICROBIAL PROCESSES AND CARBON TRANSFORMATION IN THE THAWING PERMAFROST
345	\$391,250	NATIONAL INST OF HEALTH	Zheng, Yong-Hui	MICROBIOLOGY MOLECULAR GENETICS CNS	THE ROLE OF SERINC5 IN HIV-1 REPLICATION
346	\$378,842	NATIONAL INST OF HEALTH	Atchison, William	NEUROSCIENCE PROGRAM	BRIDGE TO THE PHD IN NEUROSCIENCE
347	\$40,000	RADIABEAM TECHNOLOGIES INC	Berz, Martin	PHYSICS ASTRONOMY	COMPACT, PORTABLE RACETRACK CYCLOTRON FOR HEAVY-ION RADIATION TESTING OF ELECTRONICS
348	\$459,239	NATIONAL SCIENCE FOUNDATION	Chomiuk, Laura	PHYSICS ASTRONOMY	CONSTRAINING TYPE IA SUPERNOVA PROGENITORS VIA THEIR ENVIRONMENTS
349	\$500,688	OFFICE OF NAVAL RESEARCH	Cocker, Tyler	PHYSICS ASTRONOMY	TERAHERTZ SCANNING TUNNELING MICROSCOPE FOR NOVEL ULTRAFAST IMAGING CONCEPTS
350	\$108,000	OFFICE OF NAVAL RESEARCH	Cocker, Tyler	PHYSICS ASTRONOMY	RESOLVING FEW-FEMTOSECOND ELECTRON DYNAMICS IN GRAPHENE NANORIBBONS WITH MULTI-TERAHERTZ SCANNING TUNNELING MICROSCOPY
351	\$89,688	UNIVERSITY OF PITTSBURGH	Cocker, Tyler	PHYSICS ASTRONOMY	TOPOLOGICAL SPIN QUBITS BASED ON GRAPHENE NANORIBBONS
352	\$35,300	NATIONAL SCIENCE FOUNDATION	Comstock, Matthew	PHYSICS ASTRONOMY	NSF SUPPLEMENT TO: INVESTIGATION OF RNA-PROCESSING PROTEIN INTERACTIONS AND DYNAMICS WITH SIMULTANEOUS HIGH-RESOLUTION TWEEZERS AND FLUORESCENCE (1919439)
353	\$84,537	UNIVERSITY OF WISCONSIN MADISON	DeYoung, Tyce	PHYSICS ASTRONOMY	MANAGEMENT AND OPERATIONS OF THE ICECUBE NEUTRINO OBSERVATORY 2021-2026
354	\$11,279	SPACE TELESCOPE SCIENCE INST	Donahue, Megan	PHYSICS ASTRONOMY	TESTING THE LIMITS OF AGN FEEDBACK IN STARBURST AND QSO CENTRAL CLUSTER GALAXIES

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
355	\$415,000	NATIONAL SCIENCE FOUNDATION	Huston, Joey	PHYSICS ASTRONOMY	INVESTIGATIONS IN PROTON-PROTON COLLISIONS AT THE LARGE HADRON COLLIDER
356	\$139,992	US DEPT OF ENERGY	Ke, Xianglin	PHYSICS ASTRONOMY	TOPOLOGICAL MAGNONS AND TOPOLOGICAL ELECTRONIC PROPERTIES IN METALLIC KAGOME MAGNETS
357	\$63,212	NATIONAL SCIENCE FOUNDATION	Lin, Huey-Wen	PHYSICS ASTRONOMY	AGEP SUPPLEMENT TO CAREER: CONSTRAINING PARTON DISTRIBUTION FUNCTIONS FOR NEW-PHYSICS SEARCHES
358	\$53,310	COLORADO SCHOOL OF MINES	Maghrebi, Mohammad	PHYSICS ASTRONOMY	NON-EQUILIBRIUM STEADY STATES AND DYNAMICS IN A TRAPPED-ION QUANTUM SIMULATOR WITH ENGINEERED DISSIPATION
359	\$50,000	EEROQ INC	Pollanen, Johannes	PHYSICS ASTRONOMY	PHASE 3: ON-CHIP CHARGE SENSOR FOR SINGLE ELECTRON DETECTION
360	\$226,180	UNIVERSITY OF CHICAGO	Whitehorn, Nathan	PHYSICS ASTRONOMY	SOUTH POLE TELESCOPE OPERATIONS AND DATA PROJECTS
361	\$380,566	NATIONAL INST OF HEALTH	Busik, Julia	PHYSIOLOGY NATURAL SCIENCE	ANTI-CERAMIDE IMMUNOTHERAPY FOR DIABETIC RETINOPATHY
362	\$34,879	NATIONAL INST OF HEALTH	Crandall, Shane	PHYSIOLOGY NATURAL SCIENCE	MOTOR FEEDBACK CONTROL OF LAYER SIX CIRCUITS
363	\$38,723	NATIONAL INST OF HEALTH	Gulbransen, Brian	PHYSIOLOGY NATURAL SCIENCE	THE ROLE OF ENTERIC GLIA IN VISCERAL HYPERSENSITIVITY
364	\$345,122	NATIONAL INST OF HEALTH	Gulbransen, Brian	PHYSIOLOGY NATURAL SCIENCE	REGULATION OF ENTERIC MOTOR NEUROCIRCUITS BY ENTERIC GLIA IN HEALTH AND DISEASE
365	\$394,850	NATIONAL INST OF HEALTH	Laumet, Geoffroy	PHYSIOLOGY NATURAL SCIENCE	NEUROIMMUNE INTERACTIONS REGULATING THE BALANCE BETWEEN REMISSION AND RELAPSE OF PAIN
366	\$23,334	NATIONAL INST OF HEALTH	Perez-Bonilla, Patricia	PHYSIOLOGY NATURAL SCIENCE	ROLE OF VTA NEUROTENSIN RECEPTOR-1 EXPRESSING NEURONS IN ENERGY BALANCE
367	\$90,801	BAYLOR COLLEGE OF MEDICINE	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	ROLE OF DELTAFOSB IN HIPPOCAMPAL GENE EXPRESSION AND FUNCTION IN NEUROLOGICAL DISEASE
368	\$169,616	UNIVERSITY OF TEXAS MEDICAL BRANCH	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	SMALL MOLECULE MODULATORS OF ΔFOSB FUNCTION
369	\$55,356	NATIONAL SCIENCE FOUNDATION	Brudvig, Lars	PLANT BIOLOGY CNS	LTREB RENEWAL: COLLABORATIVE RESEARCH: UNDERSTANDING THE STRENGTH, DURATION, AND STABILITY OF CONNECTIVITY EFFECTS ON COMMUNITY DIVERSITY
370	\$71,238	NATIONAL SCIENCE FOUNDATION	Brudvig, Lars	PLANT BIOLOGY CNS	RESOLVING DRIVERS OF VARIATION IN GRASSLAND COMMUNITY ASSEMBLY AND RESTORATION

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
371	\$414,286	UNIVERSITY OF TEXAS AT AUSTIN	Lowry, David	PLANT BIOLOGY CNS	TESTING PREDICTIONS OF PLANT-MICROBE-ENVIRONMENT INTERACTIONS TO OPTIMIZE CLIMATE ADAPTATION AND IMPROVE SUSTAINABILITY IN SWITCHGRASS FEEDSTOCKS
372	\$2,062,618	US DEPT OF ENERGY	Schnell, Danny	PLANT BIOLOGY CNS	A SYSTEMS APPROACH TO INCREASING CARBON FLUX TO SEED OIL FOR BIOFUELS AND BIOPRODUCTS PRODUCTION IN CAMELINA SATIVA
373	\$1,400,000	NATIONAL SCIENCE FOUNDATION	Shiu, Shinhan	PLANT BIOLOGY CNS	TRTECH-PGR: CONNECTING SEQUENCES TO FUNCTIONS WITHIN AND BETWEEN SPECIES THROUGH COMPUTATIONAL MODELING AND EXPERIMENTAL STUDIES
374	\$57,611	AGRICULTURAL RESEARCH SERVICE	Trail, Frances	PLANT BIOLOGY CNS	ELUCIDATING FUNGAL PROCESSES THAT EVADE HOST RESISTANCE AND CHEMICAL CONTROL - ELUCIDATING MODES OF INFECTION THAT EVADE HOST RESISTANCE AND CHEMICAL CONTROL
375	\$5,150	US DEPT OF ENERGY	Brandizzi, Federica	PLANT RESEARCH LABORATORY NAT SCIENCE	31ST INTERNATIONAL CONFERENCE ON ARABIDOPSIS RESEARCH (ICAR)
376	\$176,152	US DEPT OF ENERGY	Kerfeld, Cheryl	PLANT RESEARCH LABORATORY NAT SCIENCE	ELUCIDATING THE MECHANISM OF OCP-MEDIATED ANTENNA QUENCHING
377	\$246,931	US DEPT OF ENERGY	Kramer, David	PLANT RESEARCH LABORATORY NAT SCIENCE	THE DYNAMIC ENERGY BUDGET OF PHOTOSYNTHESIS
378	\$98,020	NATIONAL SCIENCE FOUNDATION	Montgomery, Beronda	PLANT RESEARCH LABORATORY NAT SCIENCE	ASSESSING INSTITUTIONAL ASSETS, VULNERABILITIES, AND SYNERGIES AND USING A STEM MENTORING ECOSYSTEM FRAMEWORK: A MULTI-INSTITUTION, INTERDISCIPLINARY WORKSHOP
379	\$232,056	NATIONAL SCIENCE FOUNDATION	Sharkey, Thomas	PLANT RESEARCH LABORATORY NAT SCIENCE	ISOPRENE EMISSION FROM PLANTS: AN EVOLUTIONARY BALANCING ACT
380	\$53,529	NATIONAL SCIENCE FOUNDATION	Walker, Berkley	PLANT RESEARCH LABORATORY NAT SCIENCE	NSF REPS SUPPLEMENT TO 2015843: COLLABORATIVE RESEARCH: INVESTIGATING THE ROLE OF CYTOSOLIC ONE-CARBON METABOLISM IN PHOTORESPIRATION
381	\$32,083	NATIONAL SCIENCE FOUNDATION	Hong, Hyokyoung	STATISTICS PROBABILITY	IMPACT OF MOLECULAR BIOMARKERS ON SURVIVAL OUTCOMES: SIGNAL DETECTION, MODEL SELECTION, AND STATISTICAL INFERENCE IN HIGH-DIMENSIONAL SETTINGS
382	\$40,980	NATIONAL SCIENCE FOUNDATION	Maiti, Tapabrata	STATISTICS PROBABILITY	COLLABORATIVE RESEARCH: VARIATIONAL INFERENCE APPROACH TO COMPUTER MODEL CALIBRATION, UNCERTAINTY QUANTIFICATION, SCALABILITY AND ROBUSTNESS
383	\$45,028	NATIONAL SCIENCE FOUNDATION	Sung, Chih-Li	STATISTICS PROBABILITY	COLLABORATIVE RESEARCH: EFFICIENT BAYESIAN GLOBAL OPTIMIZATION WITH APPLICATIONS TO DEEP LEARNING AND COMPUTER EXPERIMENTS
<b>COLLEGE OF NURSING</b>					



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
384	\$433,526	HEALTH RESOURCES & SERVICES ADMINISTRATION	Dontje, Katherine	NURSING	INCREASING ACCESS, RECRUITMENT AND RETENTION OF SEXUAL ASSAULT EXAMINERS
385	\$17,997	HEALTH RESOURCES & SERVICES ADMINISTRATION	Lourens, Gayle	NURSING	NURSE ANESTHETIST TRAINEESHIP
386	\$48,250	BLUE CROSS BLUE SHIELD OF MICHIGAN FOUNDATION	Wu, Horng-Shiuann	NURSING	CONSEQUENCES OF COVID-19: POST-COVID SYMPTOMS AND MANAGEMENT
<b>COLLEGE OF OSTEOPATHIC MEDICINE</b>					
387	\$39,177	UNIVERSITY OF ROCHESTER	Seydel, Karl	COLLEGE OF OSTEOPATHIC MEDICINE	MRI ANCILLARY STUDY OF MALARIA FEVER CONTROL RCT
388	\$5,550	REVANCE THERAPEUTICS INC	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL GROUP, MULTI-CENTER TRIAL TO EVALUATE THE EFFICACY AND SAFETY OF A SINGLE TREATMENT OF DAXIBOTULINUMTOXINA FOR INJECTION IN ADULTS WIT
389	\$7,600	AEON BIOPHARMA, INC.	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 2, RANDOMIZED, DOUBLE-BLIND, MULTICENTER, PLACEBO-CONTROLLED STUDY TO EVALUATE THE SAFETY AND EFFICACY OF INTRAMUSCULAR ABP-450 (PRABOTULINUMTOXINA) INJECTION FOR THE TREATMENT OF CERVICAL
390	\$7,529	SUNOVION PHARMACEUTICALS	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	AN OPEN-LABEL, PHASE 3 STUDY EXAMINING THE LONGER-TERM SAFETY, TOLERABILITY AND EFFICACY OF APL-130277 IN LEVODOPA RESPONSIVE PATIENTS WITH PARKINSON'S DISEASE COMPLICATED BY MOTOR FLUCTUATIONS
391	\$25,000	MUSCULAR DYSTROPHY ASSOC INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	MSU DEPARTMENT OF NEUROLOGY MDA CARE CENTER
392	\$6,468	RA PHARMACEUTICALS INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 2, MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY TO EVALUATE THE SAFETY, TOLERABILITY, AND PRELIMINARY EFFICACY OF RA101495 IN SUBJECTS WITH GENERALIZED MYASTHENIA GRAVIS
393	\$11,340	ABBVIE INC	Sidiropoulos, Christos	NEUROLOGY AND OPHTHALMOLOGY COM	AN OPEN-LABEL EXTENSION OF STUDY M15-736 TO EVALUATE THE SAFETY AND TOLERABILITY OF 24-HOUR DAILY EXPOSURE OF ABBV-951 IN SUBJECTS WITH ADVANCED PARKINSON'S DISEASE
394	\$10,209	ABBVIE INC	Sidiropoulos, Christos	NEUROLOGY AND OPHTHALMOLOGY COM	M15-736: A RANDOMIZED, DOUBLE-BLIND, DOUBLE-DUMMY, ACTIVE-CONTROLLED STUDY COMPARING THE EFFICACY, SAFETY AND TOLERABILITY OF ABBV-951 TO ORAL CARBIDOPA/LEVODOPA IN ADVANCED PARKINSON'S DISEASE PATIEN

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
395	\$34,990	ALDEN HEALTH INC	Yassin-Kassab, Mounzer	NEUROLOGY AND OPHTHALMOLOGY COM	DIGITAL EPILEPSY MANAGEMENT: THE USE OF A TWO-WAY COMMUNICATION PLATFORM TO COLLECT PATIENT-ENTERED DATA AS A DIAGNOSTIC AID IN THE NEWLY DIAGNOSED AND REFRACTORY POPULATION
396	\$100,000	AMER OSTEOPATHIC ASSOC	Nicodemus, Clarence	OSTEOPATHIC MANIPULATIVE MEDICINE	THE SHORT AND LONG TERM EFFECT OF OMT ON PAIN, OPIOID USAGE AND COST IN PATIENTS WITH CHRONIC LOW BACK PAIN: AN OBSERVATIONAL STUDY
397	\$35,000	REATA PHARMACEUTICALS	Liby, Karen	PHARMACOLOGY TOXICOLOGY	UNRESTRICTED GRANT TO SUPPORT KAREN LIBY'S RESEARCH AT MSU ADDITIONAL FUNDING
398	\$373,935	NATIONAL INST OF GENERAL MEDICAL SCIENCES	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	INTEGRATIVE PHARMACOLOGICAL SCIENCES TRAINING PROGRAM (IPSTP)
399	\$375,752	NATIONAL INST OF HEALTH	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	MECHANISM OF ACTION OF INHIBITORS OF MRTF/SRF-REGULATED GENE TRANSCRIPTION
400	\$89,334	THE BOW FOUNDATION	Neubig, Richard	PHARMACOLOGY TOXICOLOGY	PRECLINICAL TESTING OF GENE THERAPY AGENTS FOR GNAO1 DISORDERS
401	\$9,498	UNIVERSITY OF CHICAGO	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	IMPACT OF HOUSEHOLD AIR POLLUTION (HAP) IN-UTERO THROUGH EARLY CHILDHOOD ON CHILD NEUROCOGNITIVE DEVELOPMENT FROM INFANCY TO 8 YEARS (HAPCOG STUDY)
402	\$673,572	NATIONAL INST OF HEALTH	Ezeamama, Amara	PSYCHIATRY OSTEOPATHIC MEDICINE	IDENTIFYING ADOLESCENTS AT HIGH RISK OF NEUROCOGNITIVE DISORDER: DEVELOPMENT AND VALIDATION OF A COMPOSITE RISK INDEX
403	\$21,241	UNIVERSITY OF ROCHESTER	Shapiro, Erik	RADIOLOGY OSTEOPATHIC MEDICINE	COLLABORATIVE HIV INVESTIGATIONS OF ANTIRETROVIRAL NEUROPSYCHIATRIC TOXICITIES IN ZAMBIA (CHANTZ): PROTEASE INHIBITOR IMPACT AWD00003777
<b>COLLEGE OF SOCIAL SCIENCE</b>					
404	\$21,864	NATIONWIDE CHILDRENS HOSPITAL	Cavanagh, Caitlin	CRIMINAL JUSTICE	SCREENING AND SERVICES FOR TRAFFICKED AND EXPLOITED YOUTH
405	\$66,714	UNIVERSITY OF ALABAMA AT BIRMINGHAM	Maxwell, Christopher	CRIMINAL JUSTICE	DAILY DYNAMICS AND LONG-TERM PATTERNS OF ELDER ABUSE AND NEGLECT IN DEMENTIA FAMILY CAREGIVING
406	\$21,278	MICHIGAN STATE POLICE	Wolfe, Scott	CRIMINAL JUSTICE	TRAFFIC STOP ANALYSIS CONSULTING SERVICES FOR MSP
407	\$50,156	NATIONAL SCIENCE FOUNDATION	Barnwal, Prabhat	ECONOMICS	COLLABORATIVE RESEARCH: INFORMAL RISK-SHARING AND PRIVATE INITIATIVE TO MITIGATE LOCAL ENVIRONMENTAL RISKS
408	\$5,940	NATURAL RESOURCES CONSERVATION SERVICE	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	IMAGE INTERPRETATION FOR THE NRI ON-LINE COURSE – 11TH OPERATIONAL YEAR

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
409	\$770,894	NATIONAL SCIENCE FOUNDATION	Dahlin, Kyla	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	CAREER: PLANT TRAITS LINK DISTURBANCE HISTORY TO CARBON UPTAKE ACROSS SPATIOTEMPORAL SCALES
410	\$57,000	USDA FOREST SERVICE	Zhong, Shiyuan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	MODELING AND MONITORING SUPPORT FOR STUDIES OF SMOKE DISPERSION FROM WILDLAND FIRES
411	\$259,845	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Chen, Jiquan	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	INTERDEPENDENT DYNAMICS OF FOOD, ENERGY AND WATER IN KAZAKHSTAN AND MONGOLIA: CONNECTING LULCC TO THE TRANSITIONAL SOCIOECOLOGICAL SYSTEMS
412	\$351,272	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Henebry, Geoffrey	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	ATMOSPHERIC TELECONNECTIONS AND ANTHROPOGENIC TELECOUPLINGS DRIVE LAND CHANGE IN CENTRAL ASIAN HIGHLANDS: HOW ENVIRONMENTAL CHANGES, MIGRATION, AND REMITTANCES THREATEN MONTANE AGROPASTORALIST...
413	\$164,071	NATIONAL INST OF FOOD & AGRICULTURE	Lindell, Catherine	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	CAN ATTRACTION OF PREDATORY BIRDS REDUCE FOOD SAFETY RISKS POSED BY PEST BIRDS IN ORCHARDS?
414	\$247,437	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Yan, Lin	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	FORCED AND TRUNCATED AGRARIAN TRANSITIONS IN ASIA THROUGH THE LENS OF FIELD SIZE CHANGE
415	\$379,669	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
416	\$407,856	INST OF EDUCATION SCIENCES	Douglas, Sarah	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	ONLINE TRAINING FOR PARAEDUCATORS TO IMPROVE COMMUNICATION SUPPORTS FOR YOUNG CHILDREN WITH COMPLEX COMMUNICATION NEEDS
417	\$349,744	NATIONAL ENDOWMENT FOR THE HUMANITIES	Rehberger, Dean	MATRIX HUM ARTS LETTERS SOC SCI ONLINE	EXPANDING ENSLAVED HUB: PEOPLES OF THE HISTORICAL SLAVE TRADE
418	\$444,272	AFROBAROMETER	Logan, Carolyn	POLITICAL SCIENCE	AFROBAROMETER ROUNDS 8 AND 9: ANALYSIS UNIT SUPPORT
419	\$94,389	CRIM FITNESS FOUNDATION	Acevedo, Ignacio	PSYCHOLOGY SOCIAL SCIENCE	FLINT COMMUNITY EDUCATION EVALUATION 2021
420	\$35,800	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Brandt, Mark	PSYCHOLOGY SOCIAL SCIENCE	IDENTIFYING EFFICIENT TARGETS OF MORAL PERSUASION
421	\$75,213	NATIONAL INST OF HEALTH	Burt, Alex	PSYCHOLOGY SOCIAL SCIENCE	FROM NEIGHBORHOOD DISADVANTAGE TO ANTISOCIAL BEHAVIOR: NEUROBIOLOGICAL PATHWAYS

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
422	\$9,656	RTI INTL	Campbell, Rebecca	PSYCHOLOGY SOCIAL SCIENCE	FY19 NATIONAL SEXUAL ASSAULT KIT INITIATIVE TRAINING AND TECHNICAL ASSISTANCE (TTA)
423	\$99,434	INDIANA UNIV	McAuley, J	PSYCHOLOGY SOCIAL SCIENCE	UNDERSTANDING SPEECH IN NOISE: THE ROLES OF AGING AND ATTENTIONAL ENTRAINMENT
424	\$119,362	NATIONAL SCIENCE FOUNDATION	Nye, Christopher	PSYCHOLOGY SOCIAL SCIENCE	EXAMINING THE EFFECTS OF WORK ON PERSONALITY TRAIT CHANGE IN YOUNG ADULTHOOD
425	\$480,103	NATIONAL INST OF HEALTH	Thakkar, Katharine	PSYCHOLOGY SOCIAL SCIENCE	VISUAL PERCEPTION AS A WINDOW ONTO PREDICTION ANOMALIES IN SCHIZOPHRENIA
426	\$24,000	CHARLES STEWART MOTT FOUNDATION	Santiago, Anna Maria	SOCIAL SCIENCE DEAN	FLINT COMMUNITY INITIATIVE
427	\$27,180	MICHIGAN DISABILITIES RIGHTS COALITION	Brock, Michele	SOCIAL WORK	YOUTH ENGAGED IN LEADING AND LEARNING
428	\$195,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brock, Michele	SOCIAL WORK	KINSHIP SUPPORT PROGRAM
429	\$10,000	MICHIGAN PUBLIC HEALTH INST	Park, Keunhye	SOCIAL WORK	MICHIGAN CHILD WELFARE IMPROVEMENT TASK FORCE
<b>ASC PROVOST FOR UNDERGRADUATE EDUCATION</b>					
430	\$425,000	US DEPT OF EDUCATION	Garcia, Luis	MIGRANT STUDENT SERVICES	COLLEGE ASSISTANCE MIGRANT PROGRAM
431	\$474,946	US DEPT OF EDUCATION	Garcia, Luis	MIGRANT STUDENT SERVICES	MICHIGAN STATE UNIVERSITY HEP (HIGH SCHOOL EQUIVALENCY PROGRAM)
<b>COLLEGE OF VETERINARY MEDICINE</b>					
432	\$9,465	AMER COLLEGE OF VETERINARY SURGEON	Colbath, Aimee	LARGE ANIMAL CLINICAL SCIENCES	THE EFFECTS OF CLODRONATE DISODIUM ON NORMAL AND INFLAMED EQUINE JOINT TISSUES
433	\$500,000	NATIONAL INST OF FOOD & AGRICULTURE	Contreras, Andres	LARGE ANIMAL CLINICAL SCIENCES	ENDOTOXEMIA AND THE PATHOGENESIS OF LIPOLYSIS DYSREGULATION IN PERIPARTURIENT DAIRY COWS
434	\$10,000	FOUNDATION FOR FOOD & AGRICULTURE RESEARCH	Moeser, Adam	LARGE ANIMAL CLINICAL SCIENCES	LONG-TERM EFFECTS OF EARLY WEANING STRESS ON GLUCONEOGENESIS AS A POTENTIAL MECHANISM FOR CHRONIC INFLAMMATORY DISEASE IN PIGS
435	\$445,564	NATIONAL INST OF HEALTH	Moeser, Adam	LARGE ANIMAL CLINICAL SCIENCES	NEURO-IMMUNE MECHANISMS IN EARLY LIFE STRESS-INDUCED GASTROINTESTINAL DISEASE

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
436	\$9,899	AMER COLLEGE OF VETERINARY SURGEONS FOUNDATIONS	Munsterman, Amelia	LARGE ANIMAL CLINICAL SCIENCES	IN VITRO EVALUATION OF AN EQUINE LAPAROSCOPIC BIOPSY TECHNIQUE
437	\$30,000	DIAMOND V MILLS INC	Ruegg, Pamela	LARGE ANIMAL CLINICAL SCIENCES	DIAMOND V MILLS RESEARCH GIFT
438	\$89,756	NATIONAL INST OF HEALTH	Hardy, Lauren	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	NOVEL MECHANISMS LINKING BLOOD COAGULATION TO LIVER FIBROSIS
439	\$15,041	WEST VIRGINIA UNIV	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	IMPACT OF PARTICLE AND OZONE INHALATION CO-EXPOSURE ON ALVEOLAR EPITHELIAL REGENERATION
440	\$407,913	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
441	\$46,036	NATIONAL INST OF HEALTH	Kuszynski, Dawn	PHARMACOLOGY TOXICOLOGY	THE VASCULAR EFFECTS OF CLOPIDOGREL METABOLITES
442	\$350,000	UNIVERSITY OF CALIFORNIA IRVINE	Petersen-Jones, Simon	SMALL ANIMAL CLINICAL SCIENCES	USE OF SYSTEMS PHARMACOLOGY TO PREVENT ROD AND CONE PHOTORECEPTOR DEGENERATION
443	\$40,800	FOOD & DRUG ADMINISTRATION	Averill, James	VETERINARY DIAGNOSTIC LABORATORY	MICHIGAN STATE UNIVERSITY VDL VETLRN 2017
<b>FACILITY FOR RARE ISOTOPE BEAMS</b>					
444	\$22,000,000	US DEPT OF ENERGY	Glasmacher, Thomas	FACILITY FOR RARE ISOTOPE BEAMS	FACILITY FOR RARE ISOTOPE BEAMS TRANSITION TO OPERATION AND OPERATION AS SCIENTIFIC USER FACILITY
445	\$55,878	BROOKHAVEN SCIENCE ASSOC LLC	Hao, Yue	FACILITY FOR RARE ISOTOPE BEAMS	RESEARCH AT BROOKHAVEN NATIONAL LABORATORY FOR MICHAEL BALCEWICZ ON EXTENSION OF SQUARE WELL METHOD FOR ACCELERATOR RING WITH HIGH SPACE CHARGE AND WAKE FIELD
446	\$63,396	ARGONNE NATIONAL LABORATORY	Hao, Yue	FACILITY FOR RARE ISOTOPE BEAMS	USE OF ARTIFICIAL INTELLIGENCE TO OPTIMIZE ACCELERATOR OPERATIONS AND IMPROVE MACHINE PERFORMANCE
447	\$2,943,000	ELECTRONIC WAREFARE ASSOCIATES INC	Lidia, Steven	FACILITY FOR RARE ISOTOPE BEAMS	PROPOSAL TO ADD A DEDICATED BEAMLIN FOR SINGLE-EVENT EFFECT ANALYSIS TO THE FOLDING SEGMENT 1 OF THE FRIB HEAVY-ION LINEAR ACCELERATOR
448	\$330,000	US DEPT OF ENERGY	Ostroumov, Peter	FACILITY FOR RARE ISOTOPE BEAMS	MSU TRAINEESHIP PROGRAM TO ADDRESS CRITICAL WORKFORCE NEEDS IN ACCELERATOR SCIENCE & ENGINEERING

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
449	\$3,500,000	US DEPT OF ENERGY	Severin, Gregory	FACILITY FOR RARE ISOTOPE BEAMS	ACCELERATOR IMPROVEMENT PROJECT: ISOTOPE HARVESTING AT FRIB
450	\$480,000	US DEPT OF ENERGY	Severin, Gregory	FACILITY FOR RARE ISOTOPE BEAMS	CORE RESEARCH AND DEVELOPMENT SUPPORT FOR ISOTOPE HARVESTING AT FRIB
451	\$15,000	NANOSONIC INC	Wei, Jie	FACILITY FOR RARE ISOTOPE BEAMS	LONG-TERM RADIATION RUGGED ROTARY VACUUM AND WATER SEALS IN HEAVY-ION ACCELERATORS
452	\$3,000,000	US DEPT OF ENERGY	York, Richard	FACILITY FOR RARE ISOTOPE BEAMS	HIGH RIGIDITY SPECTROMETER PROJECT – FY20 TO FY22
453	\$400,000	NATIONAL SCIENCE FOUNDATION	Bogner, Scott	NAT'L SUPERCONDUCTING CYCLOTRON LAB	QUANTUM MANY-BODY THEORIES AND METHODS FOR NUCLEAR PHYSICS
454	\$36,785	NATIONAL SCIENCE FOUNDATION	Brown, B	NAT'L SUPERCONDUCTING CYCLOTRON LAB	APPLICATIONS OF NUCLEAR STRUCTURE THEORY
455	\$200,000	US DEPT OF ENERGY	Cook, Kaitlin	NAT'L SUPERCONDUCTING CYCLOTRON LAB	INTERTWINING NUCLEAR STRUCTURE AND REACTIONS WITH EXOTIC NUCLEI
456	\$1,224,000	US DEPT OF ENERGY	Gade, Alexandra	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR STRUCTURE STUDIES AT THE LIMITS OF STABILITY
457	\$175,000	US DEPT OF ENERGY	Gueye, Paul	NAT'L SUPERCONDUCTING CYCLOTRON LAB	THE INSTITUTE FOR NUCLEAR SCIENCE TO INSPIRE THE NEXT GENERATION OF A HIGHLY TRAINED WORKFORCE (INSIGHT) AT FRIB
458	\$1,600,000	NATIONAL SCIENCE FOUNDATION	Gueye, Paul	NAT'L SUPERCONDUCTING CYCLOTRON LAB	WINDOWS ON THE UNIVERSE: STUDY OF OPEN QUANTUM SYSTEMS IN ATOMIC NUCLEI
459	\$158,203	US DEPT OF ENERGY	Hergert, Heiko	NAT'L SUPERCONDUCTING CYCLOTRON LAB	ADVANCED MANY-BODY METHODS FOR NUCLEAR STRUCTURE
460	\$250,000	US DEPT OF ENERGY	Hjorth Jensen, Morten	NAT'L SUPERCONDUCTING CYCLOTRON LAB	FROM QUARKS TO STARS; A QUANTUM COMPUTING APPROACH TO THE NUCLEAR MANY-BODY PROBLEM
461	\$393,000	US DEPT OF ENERGY	Nazarewicz, Witold	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR COMPUTATIONAL LOW ENERGY INITIATIVE (NUCLEI)

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
462	\$316,257	NATIONAL SCIENCE FOUNDATION	Schatz, Hendrik	NAT'L SUPERCONDUCTING CYCLOTRON LAB	JINA CENTER FOR THE EVOLUTION OF THE ELEMENTS
463	\$130,000	US DEPT OF ENERGY	Singh, Jaideep	NAT'L SUPERCONDUCTING CYCLOTRON LAB	TOWARDS A NEXT GENERATION SEARCH FOR TIME-REVERSAL VIOLATION USING OPTICALLY ADDRESSABLE NUCLEI IN CRYOGENIC SOLIDS
464	\$991,985	NATIONAL SCIENCE FOUNDATION	Spyrou, Artemisia	NAT'L SUPERCONDUCTING CYCLOTRON LAB	WINDOWS ON THE UNIVERSE: NUCLEAR ASTROPHYSICS AT THE NSCL
<b>PROVOST AND ACADEMIC AFFAIRS</b>					
465	\$50,000	COMMUNITY FOUNDATION FOR SOUTHEAST MICHIGAN	Akmon, Devon	MUSEUM	COMMUNITY FOUNDATION FOR SOUTHEAST MI TRACKED AND TRACED GRANT
466	\$170,332	INST OF MUSEUM & LIBRARY SERVICES	Worrall, Mary	MUSEUM	MICHIGAN STATE UNIVERSITY MUSEUM APPAREL AND TEXTILE COLLECTIONS REHOUSING AND PHOTOGRAPHY PROJECT
<b>ASC PROV FOR UNIV OUTREACH ENGAGEMENT</b>					
467	\$38,639	MICHIGAN DEPT OF EDUCATION	Wu, Jamie	COMMUNITY EVALUATION AND RSCH COLLABRTVE	GREAT START READINESS PROGRAM EVALUATION GRANT
468	\$99,996	UNIVERSITY OF NEBRASKA - LINCOLN	Martinez, Ruben	JULIAN SAMORA RESEARCH INSTITUTE	EDUCATING UNDERSERVED AND SOCIALLY DISADVANTAGE FARMERS ON RISK MANAGEMENT AND MITIGATION
469	\$100,000	MICHIGAN HEALTH ENDOWMENT FUND	Barnes Najor, Jessica	PUBLIC ENGAGEMENT AND SCHOLARSHIP	DEVELOPING HEALTH EDUCATION LESSONS FOR TRIBAL HOME VISITING
<b>INTERNATIONAL STUDIES AND PROGRAMS</b>					
470	\$351,000	US DEPT OF EDUCATION	Monson, Jamie	AFRICAN STUDIES CENTER	NATIONAL RESOURCE CENTER (TITLE VI)/FLAS
471	\$260,000	US DEPT OF EDUCATION	Monson, Jamie	AFRICAN STUDIES CENTER	NATIONAL RESOURCE CENTER (TITLE VI)/FLAS
472	\$29,267	PEACE CORPS	Green, Ashley	INTERNATIONAL STUDIES AND PROGRAMS DEAN	PROPOSAL TO SERVE AS PEACE CORPS RECRUITING OFFICE
473	\$22,500	US AGENCY FOR INTL DEVELOPMENT	Richter, Kurt	INTERNATIONAL STUDIES AND PROGRAMS DEAN	GRAIN (GRAIN RESEARCH AND INNOVATION) - AFGHANISTAN PROJECT
<b>MSU AGBIORESEARCH</b>					

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
474	\$162,300	MICHIGAN DEPT OF NATURAL RESOURCES	Hayes, Daniel	FISHERIES AND WILDLIFE MABR	STATUS OF AQUATIC MACROPHYTES IN NORTHERN LAKE HURON AND LAKE SUPERIOR MANAGEMENT UNITS
475	\$49,688	GREAT LAKES FISHERY COMMISSION	Murphy, Cheryl	FISHERIES AND WILDLIFE MABR	ASSESSMENT OF SEA LAMPREY PARASITISM SUB-LETHAL IMPACTS ON SISCOWET AND LEAN LAKE TROUT POPULATIONS
476	\$3,000,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Smith, George	MSU AGBIORESEARCH DIR OFC	MICHIGAN ALLIANCE FOR ANIMAL AGRICULTURE - 2021
477	\$796,725	NATIONAL INST OF FOOD & AGRICULTURE	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPMENT OF MULTIPURPOSE POTATO CULTIVARS WITH ENHANCED QUALITY, DISEASE AND PEST RESISTANCE – NORTH CENTRAL REGION 2021-23
478	\$215,559	COLORADO STATE UNIV	Patterson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	INTERNATIONAL WEED GENOMICS CONSORTIUM
479	\$349,808	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Asher, Aaron	WATER RESEARCH INSTITUTE MABR	INSTITUTIONAL CONTROLS FOR GROUNDWATER MANAGEMENT: LONG-TERM COSTS AND THEIR IMPACT FOR POLICY
<b>MICHIGAN STATE UNIVERSITY EXTENSION</b>					
480	\$10,125	MICHIGAN STATE HORTICULTURAL SOCIETY	Irish-Brown, Amy	EXTENSION AGRICULTURE AND AGRIBUSINESS	APPLE MATURITY MANIPULATION - USE OF PGR'S AND OTHER PRODUCTS
481	\$209,620	NATIONAL INST OF FOOD & AGRICULTURE	Lizotte, Erin	EXTENSION AGRICULTURE AND AGRIBUSINESS	INCREASING THE ADOPTION OF IPM PRACTICES IN MICHIGAN TO SUPPORT RESILIENT FARMS AND THRIVING COMMUNITIES IN AN EVER-CHANGING WORLD
482	\$28,957	MISSOURI STATE UNIV	Smith, Thomas	EXTENSION AGRICULTURE AND AGRIBUSINESS	VESTA NATIONAL CENTER OF EXCELLENCE
483	\$10,800	NATIONAL ASSOC OF STATE DEPT OF AG	Tocco, Phillip	EXTENSION AGRICULTURE AND AGRIBUSINESS	FSMA ON-FARM READINESS REVIEW TRAINING DEVELOPMENT AND DELIVERY
484	\$22,756	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
485	\$6,555	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
486	\$11,725	BARRY COUNTY UNITED WAY	Kilpatrick, Glenda	EXTENSION CHILDREN AND YOUTH	BARRY COUNTY MSU EXTENSION 4-H PROGRAM
487	\$52,830	LAKESHORE CONNECTIONS, INC.	Rivetto, Laurie	EXTENSION CHILDREN AND YOUTH	GENERATION Z - FUTURE SQUAD



**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
488	\$297,858	NATIONAL INST OF FOOD & AGRICULTURE	Carpenter, Craig	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	LEVERAGING BIG DATA TO INVESTIGATE AND SUPPORT RURAL VETREPRENEURS
489	\$11,750	THE NATURE CONSERVANCY	Elgin, Erick	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	INVASIVE AQUATIC PLANT SURVEILLANCE IN NEW YORK GREAT LAKES PORTS
490	\$20,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Northrop, Carey	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	FIRST IMPRESSIONS: TOURISM ASSESSMENT PROGRAMS TO CERTIFIED REDEVELOPMENT READY COMMUNITIES
491	\$25,000	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	Ortquist, Jinnifer	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	2020-2021 HOUSING EDUCATION PROGRAM (HEP)
492	\$150,000	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Prykucki, Bethany	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	DEVELOPMENT OF RECYCLING LEADERS TRAINING COURSE FOR FY21
493	\$40,000	UNIVERSITY OF MICHIGAN	Triezenberg, Heather	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	FY 2020 COVID-19 RELATE RAPID RESPONSE FOR FISH PRODUCERS AND CHARTER FISHING INDUSTRIES
494	\$24,178	EXTENSION FOUNDATION	Eschbach, Cheryl	EXTENSION HEALTH AND NUTRITION	EXCITE: EXTENSION COLLABORATIVE ON IMMUNIZATION, TEACHING & ENGAGEMENT
495	\$727,268	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Henne, Rebecca	EXTENSION HEALTH AND NUTRITION	HEALTHY EATING TO MITIGATE LEAD EXPOSURE
496	\$69,977	BOWLING GREEN STATE UNIVERSITY	Triezenberg, Heather	FISHERIES AND WILDLIFE MSUE	COHH3 - REVISION
497	\$31,745	BOWLING GREEN STATE UNIVERSITY	Triezenberg, Heather	FISHERIES AND WILDLIFE MSUE	COMMUNITY-ENGAGED SCHOLARSHIP TRAINING FOR SCIENTISTS AND STAKEHOLDERS
498	\$38,989	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Badra, Peter	NATURAL FEATURES INVENTORY MSUE	WATERCRESS SNAIL SURVEYS AND SPECIES ABSTRACT
499	\$47,500	MICHIGAN DEPT OF NATURAL RESOURCES	Badra, Peter	NATURAL FEATURES INVENTORY MSUE	TARGETED NATIVE MUSSEL SURVEYS IN SOUTHERN MICHIGAN LAKES AND RESERVIORS
500	\$100,000	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	NATURAL FEATURES INVENTORY OF MICHIGAN STATE TRAILS 2021

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
501	\$20,000	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	8 - NATURAL COMMUNITY SURVEYS OF FRD LANDS 2021
502	\$114,110	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	9 - NATURAL FEATURES INVENTORY OF MICHIGAN STATE TRAILS 2021
503	\$376,800	US FISH & WILDLIFE SERVICE	Cole-Wick, Ashley	NATURAL FEATURES INVENTORY MSUE	MITCHELL'S SATYR BUTTERFLY CONSERVATION, HABITAT MANAGEMENT, AND CAPTIVE REARING
504	\$30,502	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Cole-Wick, Ashley	NATURAL FEATURES INVENTORY MSUE	RARE SPECIES SURVEYS USING MIFI NATURAL COMMUNITY RESULTS II
505	\$98,718	EA ENGINEERING SCIENCE & TECHNOLOGY INC PBC	Cuthrell, David	NATURAL FEATURES INVENTORY MSUE	RUSTY PATCHED BUMBLE BEE SURVEYS
506	\$41,293	MICHIGAN DEPT OF NATURAL RESOURCES	Cuthrell, David	NATURAL FEATURES INVENTORY MSUE	FRD-GNA-HMNF WILDLIFE SURVEYS 2021
507	\$51,980	USDA FOREST SERVICE	Cuthrell, David	NATURAL FEATURES INVENTORY MSUE	MODIFICATION 2 TO PD 33335/RC108810: SURVEY, INVENTORY, AND MONITOR PLANTS, ANIMALS, AND ECOSYSTEMS ON THE HIAWATHA NATIONAL FOREST 2018-2023
508	\$85,000	US FISH & WILDLIFE SERVICE	Hackett, Rachel	NATURAL FEATURES INVENTORY MSUE	DWARF LAKE IRIS SITE AND HABITAT MANAGEMENT AND EDUCATION
509	\$43,500	USDA FOREST SERVICE	Higman, Phyllis	NATURAL FEATURES INVENTORY MSUE	MNFI INVENTORY, MONITORING AND PUBLIC EDUCATION ON THE HURON - MANISTEE NATIONAL FORESTS
510	\$159,372	MICHIGAN DEPT OF TRANSPORTATION	Higman, Phyllis	NATURAL FEATURES INVENTORY MSUE	MDOT RARE PLANT SURVEYS 2021
511	\$113,923	MICHIGAN DEPT OF NATURAL RESOURCES	Higman, Phyllis	NATURAL FEATURES INVENTORY MSUE	DNR 14-FRD-GNA-HMNF BOTANY SURVEYS 2021
512	\$41,497	NATIONAL PARK SERVICE	Higman, Phyllis	NATURAL FEATURES INVENTORY MSUE	NPS SAND POINT WETLAND PLANT INVENTORY
513	\$49,114	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Klatt, Brian	NATURAL FEATURES INVENTORY MSUE	EGLE ANNUAL ACCESS TO NATURAL HERITAGE DATABASE
514	\$75,825	MICHIGAN NATURE ASSOC	Lee, Yu Man	NATURAL FEATURES INVENTORY MSUE	FACILITATING AND IMPLEMENTING EASTERN MASSASAUGA CONSERVATION AND RECOVERY IN MICHIGAN
515	\$26,519	MICHIGAN DEPT OF NATURAL RESOURCES	Lee, Yu Man	NATURAL FEATURES INVENTORY MSUE	UPPER MIDWEST TURTLE CONSERVATION - CSWG PHASE 3

**Gift, Grant and Contract Report**  
**Board of Trustees**  
**September 2021**

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
516	\$19,622	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Lee, Yu Man	NATURAL FEATURES INVENTORY MSUE	EVALUATING EFFECTIVENESS OF INNOVATIVE AMPHIBIAN AND REPTILE MANAGEMENT TOOLS AT FORT CUSTER TRAINING CENTER - PHASE 1
517	\$29,969	NATIONAL PARK SERVICE	Monfils, Michael	NATURAL FEATURES INVENTORY MSUE	BARRED OWL SURVEY OF PICTURED ROCKS NATIONAL LAKESHORE
518	\$24,999	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Rowe, Logan	NATURAL FEATURES INVENTORY MSUE	FORT CUSTER SURVEYS AND HABITAT ASSESSMENTS FOR AT-RISK POLLINATORS
519	\$50,000	MICHIGAN SUGARBEET ADVANCEMENT	Bublitz, Daniel	PLANT SOIL AND MICROBIAL SCIENCES	SUGARBEET ADVANCEMENT FUNDS - SALARY AND FRINGE FOR RG072614 BUBL
520	\$6,103	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Beyea, Wayne	SCHL OF PLANNING,DESIGN&CNST-MSUE	CLIMATE AND HEALTH COLLABORATION
<b>RESEARCH AND INNOVATION</b>					
521	\$6,453	TRANSNETYX INC	Hankenson, Claire	CAMPUS ANIMAL RESOURCES	ASSESSMENT OF NONINVASIVE TISSUE SAMPLING FOR GENOTYPING AND ANIMAL WELFARE IN LABORATORY MICE
522	\$84,305	CENTERS FOR DISEASE CONTROL & PREVENTION	Kasten, Eric	CLINICAL AND TRANSLATIONAL SCIENCES	CONTRACT 200-2016-89831 DATA COORDINATING CENTER FOR THE STUDY TO EXPLORE DEVELOPMENT (SEED 1,2,3)
523	\$47,224	CENTERS FOR DISEASE CONTROL & PREVENTION	Kasten, Eric	CLINICAL AND TRANSLATIONAL SCIENCES	CONTRACT 200-2016-89831 DATA COORDINATING CENTER FOR THE STUDY TO EXPLORE DEVELOPMENT (SEED 1,2,3)
524	\$457,937	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	LaPres, John	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	MULTIDISCIPLINARY TRAINING IN ENVIRONMENTAL TOXICOLOGY
525	\$188,031	JOLT ENERGY STORAGE TECHNOLOGIES LLC	Dan, Adina	MIDLAND ST ANDREWS	SYNTHETIC STRATEGIES
526	\$250,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Chylla, Richard	MSU INNOVATION CENTER	MSU ADVANCE GRANT PROGRAM, RFP-CASE-317360
527	\$2,858,800	MICHIGAN STATE UNIV FOUNDATION	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY COMMERCIALIZATION - MSUT (RG100310)
<b>GRADUATE SCHOOL DEAN</b>					
528	\$56,408	BOSTON UNIV	Campa, Henry	GRADUATE SCHOOL DEAN	POSTDOCTORAL PATHWAYS - BROADENING ACCESS TO CAREER ADVANCEMENT

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	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
529	\$1,889,533	NATIONAL SCIENCE FOUNDATION	Stoddart, Judith	GRADUATE SCHOOL DEAN	GRADUATE RESEARCH FELLOWSHIP PROGRAM (GRFP)
<b>UNIVERSITY ADVANCEMENT</b>					
530	\$43,137,345	VARIOUS DONORS - ADVANCEMENT	Heil, Marti	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR THE PERIOD 04/01/2021 TO 06/30/2021
<b>GENERAL UNIVERSITY ITEMS</b>					
531	\$99,350	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Weismantel, David	CENTER FOR SURVIVORS	FY 2021 CVS-2021 - VOCA CRIME VICTIM ASSISTANCE
532	\$12,500	INGHAM COUNTY	Rosen, Holly	DOMESTIC SHELTER	SHELTER, ADVOCACY AND SUPPORT FOR DOMESTIC VIOLENCE SURVIVORS
533	\$29,875	CHILDRENS HOSPITAL OF MICHIGAN FOUNDATION	Martell, Dennis	MSU STUDENT HEALTH CENTER	IMPACTING OUTCOMES FOR STUDENTS IN RECOVERY
<b>MICHIGAN STATE UNIVERSITY COLLEGE OF LAW</b>					
534	\$19,820	RECORDING INDUSTRY ASSOCIATION OF AMERICA	Pager, Sean	COLLEGE OF LAW DEAN	DEBUNKING DIGITAL DEMOCRATIZATION
<b>VARIOUS</b>					
535	\$188,942	VARIOUS	Various	Various	86 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	<b>\$184,515,370</b>	<b>Total September 2021 Board</b>			

CONSIGNMENT/NON-CASH GIFTS  
BOARD OF TRUSTEES  
September 10, 2021

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Original photographs & archival materials by Leonard Freed.	Brigitte Freed	Libraries	\$1,759,320.00	Research in Special Collections
2	Access to TCDP facility & utilities. Access to 3,500 cattle & their health/production records. Intern housing during 2020.	Green Meadow Farms	Large Animal Clinical Sciences	\$184,000.00	Education & research
3	Purina Pro Plan Veterinary Diets	Nestle Purina PetCare Company	Veterinary Medical Center	\$72,939.54	Pet food for in-hospital use at the Veterinary Medical Center, Vivarium & MSU K9s.
4	Software & licenses	TechSmith Corporation	Computer Science & Engineering	\$51,828.80	Capstone coursework & presentation
5	Kellogg Cabinets	Nestle Purina PetCare Company	Veterinary Medical Center	\$15,906.00	Purina Nutrition Center
6	Hosted donor event	Crowley Sullivan	Intercollegiate Athletics/Spartan Fund	\$12,463.21	Meet & greet with coaches, staff & donors.
7	Comic book collection	Bruce & Lynn Edwards	Libraries	\$12,422.69	Research in Special Collections

8	1970 Juzek Cello Robert Clark Cello Bow Bam Newtech Cello Case	Steve Schneider	College of Music	\$11,800.00	For use by advanced cello students.
9-60	Various	Various	Various	\$22,158.07	52 Consolidated non-cash gifts for individual values less than \$5,000  Details on file in the Contract & Grant Administration office, Hannah Administration Bldg. 426 Auditorium Road, Room 2, East Lansing, MI 48824
			<b>TOTAL</b>	<b>\$2,142,838.31</b>	