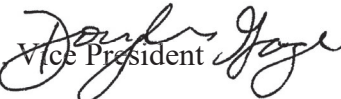


# MICHIGAN STATE UNIVERSITY

January 31, 2022

## 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 November 16, 2021, through January 12, 2022. The report is a compilation of 331 Gifts, Grants, and Contracts plus 31 Consignment/Non-Cash Gifts, with a total value of \$163,922,269.

### FY 2021-22 TOTALS:

- |  |               |
|--|---------------|
| a) Gifts, Grants, and Contracts only:              | \$545,395,426 |
| b) Gifts, Grants, and Contracts plus Consignments: | \$547,912,939 |
- (Consignments are Non-Cash Gifts and Non-Cash Loans)

### RESOLUTION:

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



Office of  
**RESEARCH  
AND INNOVATION**

Douglas A. Gage, Ph.D.  
Vice President

Hannah Administration Bldg.  
426 Auditorium Rd, Rm 249  
East Lansing, MI 48824

517/355-0306  
Fax: 517/432-1171

[gage@msu.edu](mailto:gage@msu.edu)

## Current Period / Year to Date

### Gift & Grant Awards

Meeting Date: 02/11/2022

Current Period: Nov 16, 2021 - Jan 12, 2022

#### AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$38,232,084	\$259,720,946	85.6%
State of Michigan	\$545,740	\$12,289,341	4.1%
Other	\$1,867,300	\$8,527,800	2.8%
Industry/CO	\$1,611,525	\$5,893,347	1.9%
Foundation	\$7,109,426	\$15,508,545	5.1%
Association	\$87,396	\$1,324,669	0.4%
<b>Research - Total</b>	<b>\$49,453,471</b>	<b>\$303,264,649</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$8,392,128	\$66,383,491	27.4%
State of Michigan	\$2,285,602	\$5,917,249	2.4%
Other	\$10,926,430	\$14,209,290	5.9%
Industry/CO	\$1,372,571	\$2,586,778	1.1%
Foundation	\$1,060,120	\$4,487,126	1.9%
Association	\$62,000	\$171,830	0.1%
Various Donors - Advancement	\$90,303,520	\$148,375,013	61.3%
<b>Non-Research - Total</b>	<b>\$114,402,371</b>	<b>\$242,130,776</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$46,624,212	\$326,104,437	59.8%
State of Michigan	\$2,831,342	\$18,206,590	3.3%
Other	\$12,793,730	\$22,737,090	4.2%
Industry/CO	\$2,984,096	\$8,480,125	1.6%
Foundation	\$8,169,546	\$19,995,670	3.7%
Association	\$149,396	\$1,496,499	0.3%
Various Donors - Advancement	\$90,303,520	\$148,375,013	27.2%
<b>TOTAL</b>	<b>\$163,855,842</b>	<b>\$545,395,426</b>	<b>100%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	133	773	61.1%
State of Michigan	7	59	4.7%
Other	44	148	11.7%
Industry/CO	33	145	11.5%
Foundation	22	66	5.2%
Association	6	74	5.8%
<b>Research - Total</b>	<b>245</b>	<b>1,265</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	37	206	52.2%
State of Michigan	6	30	7.6%
Other	14	60	15.2%
Industry/CO	10	34	8.6%
Foundation	14	53	13.4%
Association	4	9	2.3%
Various Donors - Advancement	1	3	0.8%
<b>Non-Research - Total</b>	<b>86</b>	<b>395</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	170	979	59.0%
State of Michigan	13	89	5.4%
Other	58	208	12.5%
Industry/CO	43	179	10.8%
Foundation	36	119	7.2%
Association	10	83	5.0%
Various Donors - Advancement	1	3	0.2%
<b>TOTAL</b>	<b>331</b>	<b>1,660</b>	<b>100%</b>

## Current Year / Previous Year

### Gift & Grant Awards

Meeting Date: 02/11/2022

Current Period: Nov 16, 2021 - Jan 12, 2022

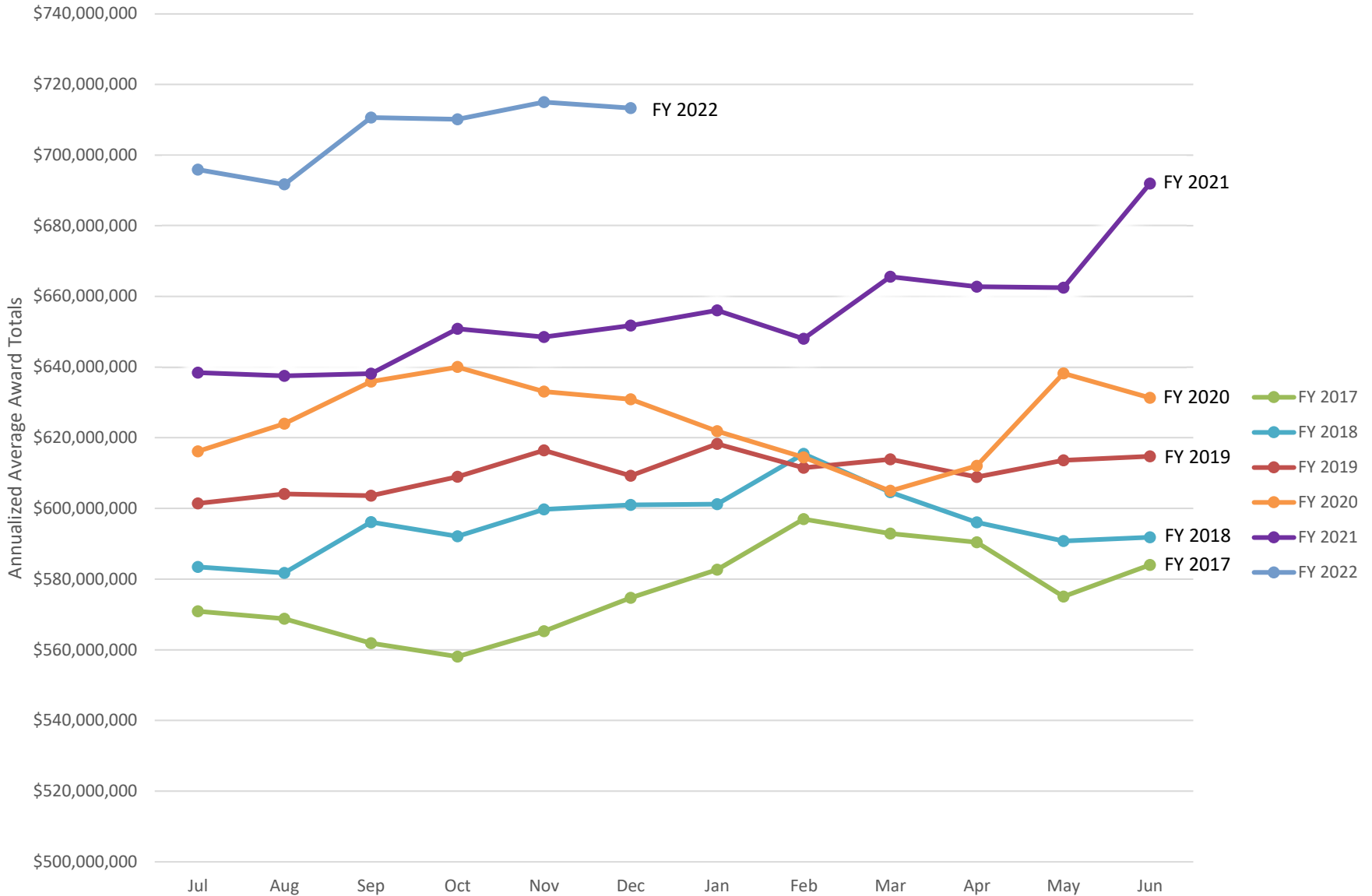
#### AWARD TOTALS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$260,602,366	\$259,720,946	-0.3%
State of Michigan	\$5,245,763	\$12,289,341	134.3%
Other	\$11,297,391	\$8,527,800	-24.5%
Industry/CO	\$4,429,163	\$5,893,347	33.1%
Foundation	\$14,363,820	\$15,508,545	8.0%
Association	\$1,778,872	\$1,324,669	-25.5%
<b>Research - Total</b>	<b>\$297,717,377</b>	<b>\$303,264,649</b>	<b>1.9%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$47,547,869	\$66,383,491	39.6%
State of Michigan	\$35,432,734	\$5,917,249	-83.3%
Other	\$14,398,044	\$14,209,290	-1.3%
Industry/CO	\$2,187,774	\$2,586,778	18.2%
Foundation	\$7,834,964	\$4,487,126	-42.7%
Association	\$150,470	\$171,830	14.2%
Various Donors - Advancement	\$63,405,070	\$148,375,013	134.0%
<b>Non-Research - Total</b>	<b>\$170,956,926</b>	<b>\$242,130,776</b>	<b>41.6%</b>
Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change
Federal Government	\$308,150,235	\$326,104,437	5.8%
State of Michigan	\$40,678,497	\$18,206,590	-55.2%
Other	\$25,695,436	\$22,737,090	-11.5%
Industry/CO	\$6,616,937	\$8,480,125	28.2%
Foundation	\$22,198,784	\$19,995,670	-9.9%
Association	\$1,929,342	\$1,496,499	-22.4%
Various Donors - Advancement	\$63,405,070	\$148,375,013	134.0%
<b>TOTAL</b>	<b>\$468,674,302</b>	<b>\$545,395,426</b>	<b>16.4%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	787	773	-1.8%
State of Michigan	53	59	11.3%
Other	197	148	-24.9%
Industry/CO	147	145	-1.4%
Foundation	61	66	8.2%
Association	179	74	-58.7%
<b>Research - Total</b>	<b>1,424</b>	<b>1,265</b>	<b>-11.2%</b>
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	176	206	17.0%
State of Michigan	29	30	3.4%
Other	81	60	-25.9%
Industry/CO	71	34	-52.1%
Foundation	70	53	-24.3%
Association	10	9	-10.0%
Various Donors - Advancement	3	3	0.0%
<b>Non-Research - Total</b>	<b>440</b>	<b>395</b>	<b>-10.2%</b>
Total			
Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	963	979	1.7%
State of Michigan	82	89	8.5%
Other	278	208	-25.2%
Industry/CO	218	179	-17.9%
Foundation	131	119	-9.2%
Association	189	83	-56.1%
Various Donors - Advancement	3	3	0.0%
<b>TOTAL</b>	<b>1,864</b>	<b>1,660</b>	<b>-10.9%</b>

### Michigan State University 3 Year Annualized Average Awards



## Top 10 Awards for the February 11, 2022 BOT Meeting

Rank	Sponsor Type	Award Amount	Principal Investigator	Sponsor	Department	New or Modification	Award Activity Type	Project Dates	Project Title
1	Federal Government	\$8,990,000	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	Foundation	\$4,000,000	Lenis Liverpool-Tasie	Bill & Melinda Gates Foundation	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	New	Research	11/30/2021 11/30/2026	Actionable research to support African MSMEs to supply affordable, safe, and nutritious foods
3	Federal Government	\$2,676,453	Michael Brand	Small Business Administration	PERFORMING ARTS FACILITIES AND PROGRAMS	Modification	Education/Instruction	06/28/2021 06/30/2022	Shuttered Venue Operator Grant for COVID-19 relief
4	Federal Government	\$2,333,333	Cheryl Eschbach	US Dept of Treasury	EXTENSION HEALTH AND NUTRITION	New	Public Service	10/01/2021 09/30/2022	COVID Health Ambassador
5	State of Michigan	\$2,122,374	Erin Bunting	State of Michigan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	New	Fee for Service	10/01/2021 09/30/2026	Michigan Statewide Hydrography Update
6	Federal Government	\$1,267,352	Terrie Taylor	National Inst of Health	OSTEOPATHIC MEDICAL SPECIALTIES COM	Modification	Research	12/12/2016 11/30/2023	Treating Brain Swelling In Pediatric Cerebral Malaria
7	Federal Government	\$1,161,791	Galit Pelled	National Inst of Health	INSTITUTE FOR QUANTITATIVE HEALTH	Modification	Research	04/15/2020 03/31/2023	Circuit dynamics of sensorimotor integration and decision making in octopus
8	Federal Government	\$1,158,775	Katharine Strunk	Inst of Education Sciences	EDUCATION POLICY CENTER	Modification	Research	09/01/2019 08/31/2024	Evaluating Michigan's Early Literacy Law: Impacts, Implementation and Improving State Capacity
9	Other	\$1,150,158	Susanne Elkins	Corp for Public Broadcasting	BROADCASTING SERVICES	New	Public Service	09/30/2021 10/01/2023	Unrestricted 2021-23 CSG grant for WKAR-TV
10	Federal Government	\$1,016,407	Assaf Gilad	National Inst of Health	INSTITUTE FOR QUANTITATIVE HEALTH	New	Research	09/22/2021 09/21/2024	Semi-synthetic, magneto-photonic circuit for non-invasive control of cellular function
	<b>TOTAL</b>	<b>\$25,876,643</b>							

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

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
<b>COLLEGE OF AGRICULTURE AND NAT RESOURCES</b>					
1	\$4,000,000	BILL & MELINDA GATES FOUNDATION	Liverpool-Tasie, Lenis	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	ACTIONABLE RESEARCH TO SUPPORT AFRICAN MSMES TO SUPPLY AFFORDABLE, SAFE, AND NUTRITIOUS FOODS
2	\$123,420	SYNERGISTIC HAWAII AGRICULTURE COUNCIL	Maredia, Mywish	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	COORDINATED APPROACH TO COFFEE LEAF RUST - ECONOMIC COST BENEFIT ANALYSIS OF CONTROL METHODS
3	\$475,000	FOREIGN AGRICULTURAL SERVICE	Maredia, Mywish	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	ANALYTICS SUPPORT IN KENYA EAST AFRICA
4	\$27,750	DEUTSCHE GESELLSCHAFT FUR INTERNATIONALE ZUSAMMENARBEIT	Yeboah, Felix	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	2021 COFFEE DEVELOPMENT REPORT
5	\$179,374	NATIONAL INST OF FOOD & AGRICULTURE	Luttman, Andrea	ANIMAL SCIENCE DEPARTMENT ANR	CHARACTERIZING RESILIENCE IN YOUNG PIGS: IMPACTS OF WEANING ON EPIGENETIC MODIFICATIONS ASSOCIATED WITH BEHAVIORAL AND PHYSIOLOGICAL STRESS PHENOTYPES
6	\$38,833	VARIOUS INDUSTRIES	Ruegg, Pamela	ANIMAL SCIENCE DEPARTMENT ANR	DR. RUEGG'S TESTING ACCOUNT
7	\$98,041	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Das, Narendra	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ENHANCEMENT OF HIGH-RESOLUTION SOIL MOISTURE ALGORITHM AND PRODUCT FOR THE ARCTIC REGION USING THE MULTI-SENSOR DATA FUSION APPROACH
8	\$230,022	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Das, Narendra	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	ENHANCEMENT OF THE RHEAS CAPABILITIES FOR MONITORING AND FORECASTING OF SEASONAL RICE CROP PRODUCTIVITY FOR LOWER MEKONG BASIN COUNTRIES
9	\$30,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Das, Narendra	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	HIGH RESOLUTION SOIL MOISTURE ALGORITHM USING THE SYNERGY OF MICROWAVE ACTIVE AND PASSIVE OBSERVATIONS FOR THE NISAR MISSION
10	\$245,000	UNIVERSITY OF ILLINOIS	Srivastava, Ajit	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	APPROPRIATE-SCALE MECHANIZATION CONSORTIUM FOR SUSTAINABLE INTENSIFICATION PHASE II
11	\$62,000	NATIONAL SCIENCE FOUNDATION	Bessette, Douglas	DEPARTMENT OF COMMUNITY SUSTAINABILITY	COLLABORATIVE RESEARCH: GCR: A CONVERGENT DISCIPLINE IN SOCIO-TECHNOLOGICAL SYSTEM TRANSITIONS--RESEARCH ON MICHIGAN COMMUNITY & ANISHINAABE RENEWABLE ENERGY SOVEREIGNTY [MICARES]

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

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
12	\$365,830	MICHIGAN DEPT OF NATURAL RESOURCES	Perry, Elizabeth	DEPARTMENT OF COMMUNITY SUSTAINABILITY	UNDERSTANDING PUBLIC VALUES FOR WILDLIFE-MANAGED LANDS
13	\$152,779	NATIONAL INST OF FOOD & AGRICULTURE	Hauri, Kayleigh	ENTOMOLOGY AGRICULTURE AND NATURAL RES	ENHANCING PEST MANAGEMENT OF NEMATODES AND INSECT HERBIVORES THROUGH PLANT-MEDIATED EFFECTS
14	\$170,100	PENNSYLVANIA STATE UNIV	Maredia, Karimbhai	ENTOMOLOGY AGRICULTURE AND NATURAL RES	USAID CURRENT AND EMERGING THREATS TO CROPS (CETC) INNOVATION LAB (IL)
15	\$29,412	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Milbrath, Meghan	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MICHIGAN MANAGED POLLINATOR PROTECTION PLAN
16	\$16,000	VARIOUS INDUSTRIES	Quintanilla Tornel, Marisol	ENTOMOLOGY AGRICULTURE AND NATURAL RES	QUINTANILLA TESTING PROJECTS
17	\$18,395	EXTENSION FOUNDATION	Stone, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	2022 PESTICIDE SAFETY EDUCATION FUNDS MANAGEMENT PROGRAM
18	\$58,333	UNIVERSITY OF CALIFORNIA RIVERSIDE	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	THREAT ASSESSMENT AND RESISTANCE CHARACTERIZATION OF A NOVEL ECOTYPE OF WOOLLY APPLE APHID
19	\$17,108	NORTH CAROLINA STATE UNIV	Wise, John	ENTOMOLOGY AGRICULTURE AND NATURAL RES	QUALITY ASSURANCE SERVICES AND SUPPORT FOR IR-4 MINOR USE PESTICIDES AT STATE FACILITIES IN NORTH CAROLINA AND ASSOCIATED LOCATIONS
20	\$17,519	UNIVERSITY OF MINNESOTA	Infante, Dana	FISHERIES AND WILDLIFE	A PROPOSAL TO HOST THE DEPARTMENT OF INTERIOR'S (USGS) MIDWEST CLIMATE ADAPTATION SCIENCE CENTER
21	\$60,375	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Latimore, Jo	FISHERIES AND WILDLIFE	PREVENTING AND LIMITING THE SPREAD OF AQUATIC INVASIVE SPECIES THROUGH EDUCATION AND OUTREACH
22	\$28,553	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES AND WILDLIFE	PERM SALARY 2022-2025 FOR JOHN HUME
23	\$194,799	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	Liu, Jianguo	FISHERIES AND WILDLIFE	HDR INSTITUTE: GEOSPATIAL UNDERSTANDING THROUGH AN INTEGRATIVE DISCOVERY ENVIRONMENT
24	\$143,153	THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND	Rose, Joan	FISHERIES AND WILDLIFE	VIRAL PATHOGEN AND SURROGATE APPROACHES FOR ASSESSING TREATMENT PERFORMANCE IN WATER REUSE

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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
25	\$20,000	MICHIGAN DEPT OF NATURAL RESOURCES	Scribner, Kim	FISHERIES AND WILDLIFE	TO EXPAND BASELINE GENETIC DATABASES AND TO CONDUCT MOLECULAR GENETIC ANALYSES.
26	\$101,882	GREAT LAKES FISHERY COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. NANCY NATE
27	\$116,870	GREAT LAKES FISHERY COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. TOM BINDER
28	\$101,973	GREAT LAKES FISHERY COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. TODD HAYDEN
29	\$253,993	GREAT LAKES FISHERY TRUST	Vandergoot, Christopher	FISHERIES AND WILDLIFE	COMPARING HABITAT USE, SURVIVAL, AND MOVEMENT PATTERNS OF STREAM-SIDE AND TRADITIONALLY-REARED LAKE STURGEON STOCKED INTO THE SAGINAW RIVER SYSTEM
30	\$5,400	AGRICULTURAL RESEARCH SERVICE	Dolan, Kirk	FOOD SCIENCE AND HUM NUTRITION ANR	IMPROVING THE CONSUMER QUALITY OF ORGANIC DRY BEANS THROUGH PLANT GENETIC IMPROVEMENTS AND INNOVATIVE PROCESSING METHODS
31	\$70,567	CANADA CREEK RANCH	Huff, Emily	FORESTRY	FOREST/WILDLIFE PLAN REVIEW – ASSESSING THE NEEDS OF THE CCR MEMBERSHIP BASE
32	\$500,000	ROSEBURG FOREST PRODUCTS CANADA LTD	Nejad, Mojgan	FORESTRY	LIGNIN-BASED ADHESIVES FOR ENGINEERED WOOD PRODUCTS AND CLT
33	\$219,119	MONTANA STATE UNIV	Randall, Jesse	FORESTRY	THE IMPACT OF MAPLE SAP MICROBIOME ON SYRUP QUALITY
34	\$100,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Skole, David	FORESTRY	HOTSPOT DETECTION FOR MONITORING NEW TRENDS IN CARBON SEQUESTRATION IN SYSTEMS OF TREES OUTSIDE OF FORESTS (TOF)
35	\$14,984	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Brainard, Daniel	HORTICULTURE ANR	ADDRESSING THE WEED AND SOIL MANAGEMENT TRADEOFFS IN VEGETABLES THROUGH INTEGRATED CULTURAL AND MECHANICAL STRATEGIES
36	\$6,400	ASSOC OF SPECIALTY CUT FLOWER GROWERS RESEARCH FOUNDATION	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE RESEARCH
37	\$634,382	NATIONAL INST OF FOOD & AGRICULTURE	VanBuren, Robert	HORTICULTURE ANR	IDENTIFYING THE MECHANISMS CONTROLLING STRESS TOLERANCE IN THE RESILIENT GRAIN AND FORAGE CROP TEFF (ERAGROSTIS TEF)
38	\$143,414	PERRIGO COMPANY PLC	Auras, Rafael	PACKAGING	ENVIRONMENTAL FOOTPRINT ASSESSMENT OF CURRENT PACKAGING, PAPER CARTONS, AND NEW PAPER BLISTER TECHNOLOGY
39	\$35,000	MICHIGAN WHEAT PROGRAM	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	IMPROVING WHEAT DISEASE MANAGEMENT THROUGH SEED TREATMENT, HEAD SCAB AND FOLIAR FUNGICIDE EVALUATION



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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
40	\$6,673	INTER AMER INST FOR COOPERATION ON AGRICULTURE	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	DAMAGE BY PHTHORIMAEA OPERCULELLA AND TECIA SOLANIVORA ON POTATOES AND RESISTANT CULTIVARS EVALUATION AS CONTROL ALTERNATIVES IN GUATEMALA
41	\$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
42	\$40,670	INTL INST FOR TROPICAL AGRICULTURE	Isaacs, Krista	PLANT SOIL AND MICROBIAL SCIENCES	SYSTEMATIC LITERATURE REVIEW ON GENDER PRODUCTIVITY GAPS
43	\$29,648	US GOLF ASSOC	Merewitz Holm, Emily	PLANT SOIL AND MICROBIAL SCIENCES	HIGH THROUGHPUT PHENOTYPING OF TURFGRASS PHOTOSYNTHETIC AND GROWTH RESPONSES TO DROUGHT
44	\$35,133	MICHIGAN WHEAT PROGRAM	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	HIGH MANAGEMENT TESTING OF MICHIGAN WHEAT VARIETIES
45	\$23,522	MICHIGAN WHEAT PROGRAM	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	EXPLORING WINTER WHEAT CANOPY STRUCTURE FOR VARIETY-SPECIFIC MANAGEMENT STRATEGIES
46	\$40,000	UNIVERSITY OF WISCONSIN	Singh, Maninderpal	PLANT SOIL AND MICROBIAL SCIENCES	USING DATA-DRIVEN KNOWLEDGE FOR PROFITABLE SOYBEAN MANAGEMENT SYSTEMS
47	\$23,000	PURDUE UNIV	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	INTEGRATING BEST MANAGEMENT PRACTICES FOR HERBICIDE-RESISTANT WEEDS AND HERBICIDE STEWARDSHIP IN SOYBEAN PRODUCTION (FY22)
48	\$15,000	PURDUE UNIV	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	TAKE ACTION - MULTI STATE HERBICIDE RESISTANT CROPS AND WEEDS EDUCATIONAL PROGRAM
49	\$39,157	MICHIGAN WHEAT PROGRAM	Steinke, Kurt	PLANT SOIL AND MICROBIAL SCIENCES	FERTILIZER, FUNGICIDE AND FOOD: IMPROVING YIELD, STRAW AND QUALITY.
50	\$20,000	IOWA STATE UNIV	Thompson, Addie	PLANT SOIL AND MICROBIAL SCIENCES	NIFA AG2PI COLLABORATIVE: CREATING A SHARED VISION ACROSS CROP AND LIVESTOCK COMMUNITIES
51	\$45,000	AGRICULTURAL RESEARCH SERVICE	Wang, Dechun	PLANT SOIL AND MICROBIAL SCIENCES	DISCOVER AND DEPLOY NOVEL GENES TO DEVELOP NEW VARIETIES AND GERMPLASM WITH ELEVATED MEAL PROTEIN AND ESSENTIAL AMINO ACIDS (MI)

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

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
52	\$45,996	TULANE UNIV	Madill, Holly	SCHOOL OF PLANNING DES CONSTRUCTION ANR	FROM PLANNING TO ADAPTIVE MANAGEMENT: NATURAL RESOURCES DECISION MAKING IN RESPONSE TO THE ALLOCATION OF RIVERINE INFLOWS IN THE NORTHERN GULF OF MEXICO
53	\$10,000	EXTENSION FOUNDATION	Ruemenapp, Marie	SCHOOL OF PLANNING DES CONSTRUCTION ANR	NUEL GRADUATE FELLOWSHIP
<b>ELI BROAD COLLEGE OF BUSINESS</b>					
54	\$36,385	STATE OF MICHIGAN	Frayser, David	EXECUTIVE DEVELOPMENT PROGRAMS	PROFESSIONAL DEVELOPMENT FOCUSED ON INDIRECT PROCUREMENT AND CATEGORY MANAGEMENT
55	\$75,000	MICHIGAN ECONOMIC DEVELOPMENT CORP	Kirca, Ahmet	INTERNATIONAL BUSINESS CENTER	MEDC INTERNATIONAL TRADE: REGIONAL EXPORT NETWORK 2017-2022 WITH ANNUAL EXTENSIONS: 2018-2019 (2/5 PERIOD) ORIGINAL MSU PROPOSAL #26894
56	\$300,000	US ARMY RESEARCH INST FOR THE BEHAVIORAL & SOCIAL SCIENCES	Hollenbeck, John	MANAGEMENT	TASK INTERDEPENDENCE IN MULTITEAM SYSTEMS: SYNERGY, PROCESS LOSS AND THE MODERATING IMPACT OF COMMUNICATION AND TEAM MEMBER DIVERSITY (RESEARCH AREA: UNDERSTANDING TEAM DYNAMICS)
<b>COLLEGE OF COMMUNICATION ARTS SCIENCES</b>					
57	\$27,075	WGBH EDUCATIONAL FOUNDATION	Alade, Fashina	ADVERTISING AND PUBLIC RELATIONS	ALADE WOMBATS AGAIN! PROJECT
58	\$50,000	THE KAVLI FOUNDATION	Besley, John	ADVERTISING AND PUBLIC RELATIONS	SCIENCE COMMUNICATION GOAL SURVEY
59	\$65,045	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	2021-23 USSG RURAL SERVICES GRANT FOR WKAR-TV
60	\$57,127	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	RESTRICTED CSG GRANT FOR WKAR RADIO 2021-23
61	\$157,554	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	UNRESTRICTED CSG FUNDING FOR WKAR RADIO 2021-23
62	\$21,137	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	2022 CPB INTERCONNECT GRANT FOR WKAR-TV
63	\$1,150,158	CORP FOR PUBLIC BROADCASTING	Elkins, Susanne	BROADCASTING SERVICES	UNRESTRICTED 2021-23 CSG GRANT FOR WKAR-TV
64	\$15,021	PURDUE UNIV	Bergan, Daniel	COMMUNICATION	LOCAL POLICYMAKER PERCEPTIONS OF THE OPIOID CRISIS AND THE EFFICACY OF EXTENSION COMMUNICATIONS

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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
65	\$110,643	UNIVERSITY OF DELAWARE	Deliyski, Dimitar	COMMUNICATIVE SCIENCES DISORDERS CAS	COGNITIVE AND BIOLOGICAL MECHANISMS IN PEDIATRIC VOICE THERAPY
66	\$33,761	EMALEX BIOSCIENCES LLC	Yaruss, J Scott	COMMUNICATIVE SCIENCES DISORDERS CAS	EBS-101-COFD-201:A MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL GROUP PHASE 2 EXPLORATORY STUDY TO EVALUATE EFFICACY/SAFETY OF ECOPIAM IN ADULTS WITH CHILDHOOD ONSET STUTTERING
67	\$110,255	NATIONAL SCIENCE FOUNDATION	Van Osch, Wietske	MEDIA AND INFORMATION	CAREER: GENERATING GENERATIVITY: MODELING AND FOSTERING CREATIVE COLLABORATIONS IN ENTERPRISE SOCIAL MEDIA USING A CYBERINFRASTRUCTURE FOR SMART INNOVATION
<b>COLLEGE OF EDUCATION</b>					
68	\$200,000	CHARLES STEWART MOTT FOUNDATION	Beverly, Bryan	CED OUTREACH	COMPREHENSIVE SYSTEM FOR RAPID DISTRICT INTERVENTION FOR FLINT COMMUNITY SCHOOLS-YEAR 7 (SIX-MONTHS)
69	\$140,663	VANDERBILT UNIV	Cho, Eunsoo	COUNSELING, EDUC PSYCH & SPEC EDUC	NATIONAL CENTER FOR LEADERSHIP IN INTENSIVE INTERVENTION (NCLII)
70	\$32,240	CLINTON COUNTY REGIONAL EDUCATIONAL SERVICE AGENCY	Fisher, Marisa	COUNSELING, EDUC PSYCH & SPEC EDUC	CLINTON COUNTY RESA CONTRACT
71	\$106,470	PECKHAM INC	Kuo, Hung Jen	COUNSELING, EDUC PSYCH & SPEC EDUC	USING ISTRIVE TO IMPROVE EMPLOYMENT OUTCOME FOR PEOPLE WITH DISABILITIES
72	\$43,523	US DEPT OF EDUCATION	Lee, Ka Lai	COUNSELING, EDUC PSYCH & SPEC EDUC	MICHIGAN STATE UNIVERSITY MASTERS OF ARTS REHABILITATION COUNSELING PROGRAM
73	\$100,000	SIEGEL FAMILY ENDOWMENT	Yadav, Aman	COUNSELING, EDUC PSYCH & SPEC EDUC	ROLE OF METACOGNITION IN SUPPORTING COMPUTATIONAL SKILLS IN ELEMENTARY STUDENTS
74	\$17,556	VARIOUS SCHOOLS	Markle, Barbara	EDUCATION DEAN	K-12 SCHOOL IMPROVEMENT TRAINING
75	\$1,158,775	INST OF EDUCATION SCIENCES	Strunk, Katharine	EDUCATION POLICY CENTER	EVALUATING MICHIGAN'S EARLY LITERACY LAW: IMPACTS, IMPLEMENTATION AND IMPROVING STATE CAPACITY
76	\$121,310	UNIVERSITY OF COLORADO BOULDER	Austin, Ann	EDUCATIONAL ADMINISTRATION	ADVANCE AND BEYOND: UNDERSTANDING PROCESSES OF INSTITUTIONAL CHANGE TO PROMOTE STEM EQUITY AND EDUCATION
77	\$25,000	CRAIG H. NEILSEN FOUNDATION	Hauck, Janet	KINESIOLOGY - ED	MICHIGAN STATE UNIVERSITY ADAPTIVE SPORTS PROGRAM EXPANSION

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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
78	\$850,000	WILLIAM & FLORA HEWLETT FOUNDATION	Flennaugh, Terry	TEACHER EDUCATION	SUPPLEMENT: NETWORKED IMPROVEMENT COMMUNITY ON RACIAL EQUITY IN TEACHER EDUCATION: MICHIGAN STATE UNIVERSITY, MINNESOTA STATE UNIVERSITY, MANKATO, DOMINGUEZ HILLS, CLEVELAND STATE UNIVERSITY, FHI 360
79	\$165,246	VANDERBILT UNIV	Parks, Amy	TEACHER EDUCATION	SUPPORTING PLAYFUL LEARNING IN ELEMENTARY MATHEMATICS CLASSROOMS
80	\$45,000	MICHIGAN ASSOC OF SCHOOL ADMINISTRATORS	Parks, Amy	TEACHER EDUCATION	DEVELOPING INSTRUCTIONAL MODULES FOR THE ESSENTIAL PRACTICES IN PK-3 MATHEMATICS
<b>COLLEGE OF ENGINEERING</b>					
81	\$36,683	NATIONAL SCIENCE FOUNDATION	Cetin, Kristen	CHEMICAL ENGINEERING AND MATERIALS SCI	DCL INTERN SUPPLEMENTAL FUNDING FOR NSF PROJECT 1762592
82	\$225,000	REMADE INST	Dorgan, John	CHEMICAL ENGINEERING AND MATERIALS SCI	UPCYCLING POLYETHYLENE WASTE INTO VALUE-ADDED NYLONS FOR SUSTAINABLE AUTOMOTIVE MANUFACTURING
83	\$45,000	GENERAL MOTORS CORP	Fang, Chengcheng	CHEMICAL ENGINEERING AND MATERIALS SCI	BOD CELLS ENERGY BATTERY FAILURE MECHANISM DIAGNOSE AND SOLID ELECTROLYTE INTERPHASE (SEI) CHARACTERIZATION
84	\$110,000	AMER CHEMICAL SOCIETY	Hickey, David	CHEMICAL ENGINEERING AND MATERIALS SCI	DESIGN OF ELECTROCHEMICALLY RECYCLABLE NADH BIOMIMETICS
85	\$150,000	STATE OF IOWA DEPT OF TRANSPORTATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	FIELD AND LABORATORY EVALUATION OF ROADSIDE SOIL QUALITY RESTORATION PRACTICES
86	\$18,990	IOWA STATE UNIV	Cetin, Kristen	CIVIL AND ENVIRONMENTAL ENGINEERING	DESIGNING AND ASSESSING CURRICULUM TO ADDRESS PROFESSIONAL ABET LEARNING OUTCOMES
87	\$150,646	US DEPT OF ENERGY	Dargazany, Roozbeh	CIVIL AND ENVIRONMENTAL ENGINEERING	A HYBRID PHYSICS-BASED DATA-DRIVEN APPROACH TO MODEL DAMAGE ACCUMULATION IN CORROSION OF POLYMERIC ADHESIVES
88	\$29,565	PURDUE UNIV	Boddeti, Vishnu	COMPUTER SCIENCE AND ENGINEERING	DEVELOPMENT OF ULTRAFAST CAMERAS FOR QUANTUM HEAT ASSISTED DETECTION AND RANGING (Q-HADAR)
89	\$44,674	US ARMY RESEARCH OFFICE	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	PERSON IDENTIFICATION AT A DISTANCE

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

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
90	\$50,000	WEST VIRGINIA UNIV	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	TOWARDS THE CREATION OF A LARGE DATASET OF HIGH-QUALITY FACE MORPHS
91	\$160,000	MASSACHUSETTS INST OF TECH LINCOLN LABS	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	INTELLIGENT DATA FUSION FOR IMPROVING BIOMETRIC PERFORMANCE
92	\$60,000	THE HOME DEPOT	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	RESEARCH GIFT - TBD
93	\$25,000	RAYTHEON CO	Albrecht, John	ELECTRICAL AND COMPUTER ENGINEERING	ULTRA-WIDEBAND PHASED ARRAY TRANSCEIVER IN SOI CMOS
94	\$83,507	FRAUNHOFER USA	Asmussen, Jes	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER CENTER RENEWAL
95	\$94,834	RIVERSIDE RESEARCH	Balasubramaniam, Shanker	ELECTRICAL AND COMPUTER ENGINEERING	COMPUTATIONAL ELECTROMAGNETICS, OPTICS AND DISTRIBUTED RADAR
96	\$40,000	ASSOC OF AMER RAILROADS	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	INTEGRATED MULTI-WAVE HYBRID ELECTROMAGNETIC AND ULTRASONIC SENSING FOR REAL-TIME IN-MOTION RAILS FATIGUE AND FRACTURES DETECTION
97	\$598,592	NATIONAL INST OF HEALTH	Mason, Andrew	ELECTRICAL AND COMPUTER ENGINEERING	WEARABLE MICROSYSTEM FOR CONTINUOUS PERSONALIZED AEROSOL EXPOSURE ASSESSMENT
98	\$299,828	NATIONAL INST OF HEALTH	McGough, Robert	ELECTRICAL AND COMPUTER ENGINEERING	FAST NUMERICAL MODELING OF MEDICAL ULTRASOUND FOR THERAPY AND IMAGING
99	\$191,797	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	KNOWLEDGE-ENHANCED MICROWAVE BEAMFORMING FOR THERMAL ABLATION OF TUMORS
100	\$365,000	HONEYWELL CORP	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	MSU RADAR CONSORTIUM
101	\$75,000	TEXAS INSTRUMENTS INC	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	MEMBERSHIP FOR SPARTE: SPACE ELECTRONICS CENTER

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

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
102	\$10,000	INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS INC	Piao, Guanyu	ELECTRICAL AND COMPUTER ENGINEERING	PHYSICS-INFORMED NEURAL NETWORK FOR ELECTROMAGNETIC NONDESTRUCTIVE EVALUATION OF FERROMAGNETIC MATERIALS
103	\$25,000	LAM RESEARCH	Radha, Hayder	ELECTRICAL AND COMPUTER ENGINEERING	RESEARCH GIFT: A MACHINE LEARNING APPROACH TO AUTOMATED PARTS INSPECTION
104	\$50,000	TCL RESEARCH AMERICA INC	Ren, Jian	ELECTRICAL AND COMPUTER ENGINEERING	GIFT FUND FOR COMPUTING AND MACHINE LEARNING RESEARCH
105	\$250,000	ARIZONA STATE UNIV	Udpa, Lalita	ELECTRICAL AND COMPUTER ENGINEERING	KNOWLEDGE-GUIDED AUTOMATION FOR INTEGRITY MANAGEMENT OF AGING PIPELINES (KAI-MAP)
106	\$58,986	UNIVERSITY OF MICHIGAN	Caldwell, Theodore	ENGINEERING DEAN	MICHIGAN LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION PHASE IV
107	\$399,526	NATIONAL INST OF HEALTH	Aguirre, Aitor	INSTITUTE FOR QUANTITATIVE HEALTH	OXYLIPIN SIGNALING IN CONGENITAL HEART DISEASE
108	\$1,016,407	CENTRAL MICHIGAN UNIV	Gilad, Assaf	INSTITUTE FOR QUANTITATIVE HEALTH	SEMI-SYNTHETIC, MAGNETO-PHOTONIC CIRCUIT FOR NON-INVASIVE CONTROL OF CELLULAR FUNCTION
109	\$1,161,791	NATIONAL INST OF HEALTH	Pelled, Galit	INSTITUTE FOR QUANTITATIVE HEALTH	CIRCUIT DYNAMICS OF SENSORIMOTOR INTEGRATION AND DECISION MAKING IN OCTOPUS
110	\$312,320	NATIONAL INST OF HEALTH	Purcell, Erin	INSTITUTE FOR QUANTITATIVE HEALTH	STRUCTURAL AND FUNCTIONAL PLASTICITY SURROUNDING IMPLANTED NEUROPROSTHESES
111	\$27,813	YALE UNIV	Anthony, Rebecca	MECHANICAL ENGINEERING	REGROWTH AND SELECTIVE AREA GROWTH OF GAN FOR VERTICAL POWER ELECTRONICS
112	\$16,000	NATIONAL SCIENCE FOUNDATION	Bush, Tamara	MECHANICAL ENGINEERING	REU FOR PFI-RP: AN INNOVATIVE WHEELCHAIR DESIGN THAT SHIFTS BODY PRESSURES AUTOMATICALLY TO PREVENT TISSUE DAMAGE AND INJURY
113	\$91,933	LOS ALAMOS NATL LABORATORY	Jaberi, Farhad	MECHANICAL ENGINEERING	INTERACTIONS OF HIGH-SPEED VARIABLE-DENSITY SHEAR-DRIVEN MIXING LAYERS WITH OBLIQUE SHOCK WAVES
114	\$83,000	THE GENEVA FOUNDATION	Mejia-Alvarez, Ricardo	MECHANICAL ENGINEERING	QUANTIFYING DOSE/RESPONSE CHANGES IN PHYSIOLOGY IN CEREBRAL ORGANOID CHANGES SECONDARY TO PULSED RADIOFREQUENCY WAVES
115	\$109,919	BEAUMONT HOSPITAL	Roccabianca, Sara	MECHANICAL ENGINEERING	MICHIGAN INTERDISCIPLINARY CENTER FOR UROLOGY RESEARCH AND EDUCATION (MI-CURE)

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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
116	\$47,000	US ARMY RESEARCH OFFICE	Zayernouri, Mohsen	MECHANICAL ENGINEERING	A STOCHASTIC FRACTIONAL MODELING FRAMEWORK FOR DESIGN OF NEW FUNCTIONAL MATERIALS
<b>COLLEGE OF HUMAN MEDICINE</b>					
117	\$9,224	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.
118	\$75,563	GREATER FLINT HEALTH COALITION	Furr-Holden, Debra	CHM FLINT	COMMUNITY-BASED APPROACHES TO STRENGTHENING ECONOMIC SUPPORTS FOR WORKING FAMILIES (CASES)
119	\$610,337	NATIONAL INST OF MENTAL HEALTH	Johnson, Jennifer	CHM FLINT	IMPLEMENTING TO SUSTAIN: DETERMINING THE MINIMUM NECESSARY INTERVENTION TO MAINTAIN A POSTPARTUM DEPRESSION PREVENTION PROGRAM (ROSE) IN CLINICS PROVIDING PRENATAL SERVICES TO LOW-INCOME WOMEN
120	\$100,000	CITY OF FLINT	Sadler, Richard	CHM FLINT	RESILIENCY IN COMMUNITIES AFTER STRESS AND TRAUMA - FLINT (RECAST)
121	\$125,000	MERCY HEALTH SAINT MARYS	Dwyer, Jeffrey	CHM WEST MICHIGAN	MSU-ST. MARY'S TRANSLATIONAL MEDICINE IN GRAND RAPIDS
122	\$439,136	ALLIANCE CORP	Holmes, Denise	CHM WEST MICHIGAN	MSU-ALLIANCE TRANSLATIONAL HEALTH RESEARCH IN GRAND RAPIDS
123	\$33,540	CENTERS FOR DISEASE CONTROL & PREVENTION	Bohnert, Kipling	EPIDEMIOLOGY AND BIOSTATISTICS	BOHNERT IPA
124	\$130,414	NATIONAL INST OF HEALTH	Cunningham, Natoshia	FAMILY MEDICINE, DEPARTMENT OF	USING FMRI TO UNDERSTAND RESPONSE TO AN INTEGRATIVE TREATMENT FOR PAIN AND ANXIETY IN PEDIATRIC FUNCTIONAL ABDOMINAL PAIN DISORDERS (FAPD)
125	\$74,563	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Rosenman, Kenneth	MEDICINE	ENHANCED COLLECTION AND USED OF INDUSTRY & OCCUPATION SURVEILLANCE DATA FOR COVID-19 AND OTHER CONDITIONS
126	\$220,352	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Jeong, Jaewook	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	SIRT1 AS A THERAPEUTIC TARGET IN ENDOMETRIOSIS
127	\$92,826	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Luke, Barbara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	IN VITRO FERTILIZATION OUTCOMES AFTER CANCER
128	\$114,165	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Poland, Cara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	1003 GRANT
129	\$500,000	MICHIGAN HEALTH ENDOWMENT FUND	Poland, Cara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	HOSPITAL ENGAGEMENT ADDICTION RESOURCES TEAM (HEART)

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

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
130	\$452,357	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Roman, Leeanne	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	STRONG BEGINNINGS: CARE IMPROVEMENT FOR AFRICAN AMERICAN AND LATINA WOMEN
131	\$23,528	SOCIETY OF ENDOMETRIOSIS & UTERINE DISORDERS	Song, Yong	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	REGULATION OF ENDOMETRIOTIC LESION DEVELOPMENT BY E-PROTEINS
132	\$61,158	HEMOPHILIA FOUNDATION OF MICHIGAN	Jobe, Shawn	PEDIATRICS AND HUMAN DEVELOPMENT	OPERATING SUPPORT GRANT 2021-2022 FOR CENTER FOR BLEEDING AND CLOTTING DISORDER
133	\$12,996	UNIVERSITY OF PITTSBURGH	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	PRO15070638: VWD MINIMIZE STUDY; VWDMIN TRIAL
134	\$427,594	NATIONAL INST OF HEALTH	Shapiro, Erik	RADIOLOGY HUMAN MEDICINE	EVALUATION OF TANTALUM OXIDE NANOPARTICLES FOR IN VIVO X-RAY COMPUTED TOMOGRAPHY EVALUATION OF IMPLANTABLE BIOMATERIALS
135	\$107,596	UNIVERSITY OF KENTUCKY	Zhu, David	RADIOLOGY HUMAN MEDICINE	BIOMARKERS TO TRACK EFFECTIVE INTERVENTIONS THAT DELAY DEMENTIA ONSET IN PARTICIPANTS OF THE "RISK REDUCTION FOR ALZHEIMER'S DISEASE (RRAD)" TRIAL
136	\$23,250	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	Zhu, David	RADIOLOGY HUMAN MEDICINE	HYPERTENSION, INTRACRANIAL PULSATILITY AND BRAIN A ACCUMULATION IN OLDER ADULTS
137	\$364,500	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Ford, Sabrina	THE INSTITUTE FOR HEALTH POLICY	FY22 MICHIGAN MEDICAID HEALTH INFORMATION TECHNOLOGY (HIT) RESOURCE CENTER
138	\$27,589	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY22 COMPREHENSIVE QUALITY STRATEGY
139	\$106,154	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	FY22 FLINT WATER EVALUATION
140	\$411,772	NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES	Bernstein, Alison	TRANSLATIONAL NEUROSCIENCE	DIELDTRIN-INDUCED DIFFERENTIAL GENE METHYLATION AND PARKINSONIAN TOXICITY
141	\$312,614	NATIONAL INST OF HEALTH	Collier, Kathy	TRANSLATIONAL NEUROSCIENCE	IMPACT OF DYSFUNCTIONAL BDNF ON DOPAMINE TERMINAL REMODELING IN THE PARKINSONIAN STRIATUM
142	\$421,178	NATIONAL INST OF HEALTH	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	CENTRAL NORADRENERGIC MECHANISMS OF CEREBROVASCULAR PATHOLOGY IN ALZHEIMER'S DISEASE
143	\$474,326	NATIONAL INST OF HEALTH	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	TAU-MEDIATED REGULATION AND DYSREGULATION OF PROTEIN PHOSPHATASE 1



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

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
144	\$79,928	BRIGHT MINDS BIOSCIENCES	Morgan, David	TRANSLATIONAL NEUROSCIENCE	EFFECTS OF BMB TEST AGENT ON BEHAVIOR IN AMYLOID MICE
145	\$433,016	MICHAEL J FOX FOUNDATION	Sortwell, Caryl	TRANSLATIONAL NEUROSCIENCE	FURTHER INVESTIGATION OF THE NEUROPROTECTIVE POTENTIAL AND MECHANISM OF THE RHO KINASE INHIBITOR KL-00974
146	\$19,795	UNIVERSITY OF MISSOURI	Vega, Irving	TRANSLATIONAL NEUROSCIENCE	CHARACTERIZATION OF EFHD2 AS A NOVEL INHIBITOR OF NECROPTOSIS AND AGING-RELATED CARDIOVASCULAR PATHOLOGY
147	\$31,096	UNIVERSITY OF MICHIGAN	Vega, Irving	TRANSLATIONAL NEUROSCIENCE	TRAINING IN CLINICAL AND BASIC NEUROSCIENCES
<b>COLLEGE OF MUSIC</b>					
148	\$64,792	CHILDRENS HOSPITAL OF MICHIGAN FOUNDATION	Johnson, Kristopher	COMMUNITY MUSIC SCHOOL	ENHANCING THE EMOTIONAL, PHYSICAL, SOCIAL AND COGNITIVE WELL-BEING OF PEDIATRIC PATIENTS AND CAREGIVERS THROUGH MUSIC THERAPY
<b>COLLEGE OF NATURAL SCIENCE</b>					
149	\$57,468	SMALL BUSINESS ADMINISTRATION	Schmoll, Shannon	ABRAMS PLANETARIUM	SEEKING FEDERAL FUNDS FROM THE SHUTTERED VENUE OPERATOR GRANT PROGRAM
150	\$35,401	UNIVERSITY OF OKLAHOMA	Dickson, Alexander	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	RAMP-ALTERED CLASS B GPCR HORMONE BINDING AND SIGNALING
151	\$648,000	NATIONAL INST OF FOOD & AGRICULTURE	Grotewold, Erich	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	BIOSYNTHESIS AND REGULATION OF INSECTICIDAL AND NUTRITIONAL MAIZE FLAVONES
152	\$69,962	BRAIN & BEHAVIOR RESEARCH FOUNDATION	Hickey, Stephanie	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	PREDICTING GENE RELATIONSHIPS ACROSS TIME AND SPACE TO IDENTIFY AGE- AND BRAIN-REGION-SPECIFIC TREATMENTS FOR SCHIZOPHRENIA
153	\$77,108	WASHINGTON STATE UNIV	Zacharewski, Timothy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	MECHANISMS OF MICROCYSTIN-INDUCED HEPATOCELLULAR CARCINOMA IN NONALCOHOLIC STEATOHEPATITIS
154	\$185,000	US DEPT OF ENERGY	Dantus, Marcos	CHEMISTRY	SISGR: UNDERSTANDING AND CONTROLLING STRONG-FIELD LASER INTERACTIONS WITH POLYATOMIC MOLECULES
155	\$410,907	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	ENGINEERING BACTERIOPHAGE Q CONJUGATES WITH TUMOR ASSOCIATED CARBOHYDRATE ANTIGENS AS MULTI-COMPONENT ANTI-CANCER VACCINES
156	\$10,000	BEYOND BENIGN	Maleczka, Robert	CHEMISTRY	TRANSFORMATION OF MSU'S LARGE ENROLLMENT UNDERGRADUATE ORGANIC CHEMISTRY LABORATORY COURSE: BETA-TESTING OF NEW GREEN CHEMISTRY PROJECT BASED LABS
157	\$172,722	PRINCETON UNIV	McCusker, James	CHEMISTRY	BIOINSPIRED LIGHT-ESCALATED CHEMISTRY (BIOLEC)

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

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
158	\$294,290	NATIONAL INST OF HEALTH	Sun, Liangliang	CHEMISTRY	QUANTITATIVE PROTEOMICS OF ZEBRAFISH EMBRYOS AND BLASTOMERES
159	\$150,000	HONEYWELL CORP	Swain, Greg	CHEMISTRY	SURFACE PRETREATMENT AND SURFACE FINISHING EFFECTS ON THE CORROSION BEHAVIOR OF ALUMINUM AND TITANIUM ALLOYS PREPARED BY SELECTIVE LASER MELTING
160	\$56,000	US ARMY RESEARCH OFFICE	Swain, Greg	CHEMISTRY	SPECTROELECTROCHEMICAL STUDIES OF REDOX REACTIONS AND ELECTRIFIED INTERFACES AT CARBON ELECTRODES
161	\$95,027	NATIONAL INST OF HEALTH	Tepe, Jetze	CHEMISTRY	SMALL MOLECULE INDUCED PROTEOLYTIC DESTRUCTION OF INTRINSICALLY DISORDERED PROTEINS (DEI SUPPLEMENT)
162	\$60,000	BROOKHAVEN NATIONAL LABORATORY	Bazavov, Alexei	COMPUTATIONAL MATH SCI AND ENGR CNS	COMPUTING THE PROPERTIES OF MATTER WITH LEADERSHIP COMPUTING RESOURCES
163	\$260,300	NATIONAL SCIENCE FOUNDATION	Lei, Huan	COMPUTATIONAL MATH SCI AND ENGR CNS	CAREER: MACHINE-LEARNING CONSTRUCTION OF ENERGY-STABLE NON-NEWTONIAN FLUID HYDRODYNAMICS WITH MOLECULAR FIDELITY
164	\$80,000	PIXAG SRL	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	A SYSTEM APPROACH TO PREDICT HARVEST DATE AND YIELD OF FRESH-CUT VEGETABLES GROWN IN GREENHOUSES
165	\$156,766	UNIVERSITY OF ILLINOIS	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	AI INSTITUTE: ARTIFICIAL INTELLIGENCE FOR FUTURE AGRICULTURAL RESILIENCE, MANAGEMENT, AND SUSTAINABILITY (AIFARMS)
166	\$27,287	MICHIGAN WHEAT PROGRAM	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	UNDERSTANDING AND MANAGING FACTORS AFFECTING WHEAT YIELDS IN MICHIGAN: A MODELING FRAMEWORK TO HELP FARMERS MAKE BETTER DECISIONS
167	\$13,405	PLANETARY SCIENCE INSTITUTE	Jacobson, Seth	EARTH AND ENVIRONMENTAL SCIENCES	THE SUBLIMATION-DRIVEN MIGRATION OF SMALL TERRESTRIAL PLANETS
168	\$40,333	TEXAS STATE UNIVERSITY	Kendall, Anthony	EARTH AND ENVIRONMENTAL SCIENCES	INTEGRATING SYSTEMS MODELS AND REMOTE SENSING TO EXPLORE AQUATIC ECOSYSTEM VULNERABILITY TO GLOBAL CHANGE IN LAKE HURON
169	\$170,843	UNIVERSITY OF ALASKA	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	KAZAKHSTAN DIGITIZATION EFFORT CONTINUATION - TASK ORDER 9
170	\$40,000	APPLIED RESEARCH ASSOCIATES INC	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	SUPPORT FOR A SEISMIC AND ACOUSTIC EXPERIMENT AT THE BALAPAN TEST SITE, KAZAKHSTAN: PRE-PLANNING AND EXPERIMENT DESIGN

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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
171	\$42,000	COLUMBIA UNIV	Reimers, Mark	INSTITUTE FOR QUANTITATIVE HEALTH	ANALYSIS OF BEHAVIORAL MOTHER-INFANT INTERACTION VIDEOS BY DEEP LEARNING AND TIME SERIES
172	\$689,565	NATIONAL SCIENCE FOUNDATION	Ganz, Julia	INTEGRATIVE BIOLOGY	CAREER: MOLECULAR CONTROL OF DIFFERENTIATION IN THE ENTERIC NERVOUS SYSTEM
173	\$50,013	IOWA STATE UNIV	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	IMPROVING MIDWESTERN AGRICULTURE'S ENVIRONMENTAL, SOCIAL, AND ECONOMIC FOOTPRINT WITH PRAIRIE STRIPS
174	\$8,400	SIMONS FOUNDATION	Rapinchuk, Igor	MATHEMATICS	ALGEBRAIC GROUPS OVER GENERAL FIELDS: ARITHMETIC AND REPRESENTATIONS
175	\$8,400	SIMONS FOUNDATION	Schmidt, Benjamin	MATHEMATICS	RIGIDITY IN METRIC AND RIEMANNIAN GEOMETRY
176	\$8,400	SIMONS FOUNDATION	Shen, Linhui	MATHEMATICS	REPRESENTATION THEORY, CLUSTER ALGEBRAS, AND MODULI SPACES
177	\$8,400	SIMONS FOUNDATION	Wong, Willie	MATHEMATICS	GEOMETRIC ANALYSIS OF THE LONG TIME BEHAVIOR OF EVOLUTION EQUATIONS
178	\$144,584	THE RESEARCH FOUNDATION FOR THE STATE UNIV OF NEW YORK	Brock, Raymond	PHYSICS ASTRONOMY	US ATLAS OPERATIONS: DISCOVERY AND MEASUREMENT AT THE ENERGY FRONTIER
179	\$35,950	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	Donahue, Megan	PHYSICS ASTRONOMY	THE CIRCUMGALACTIC MEDIUM OF A NEARBY MASSIVE EARLY-TYPE RADIO GALAXY: IC4296
180	\$200,713	NATIONAL SCIENCE FOUNDATION	Grant, Darren	PHYSICS ASTRONOMY	NSF IPA AGREEMENT FOR DARREN GRANT
181	\$231,053	NATIONAL SCIENCE FOUNDATION	Maghrebi, Mohammad	PHYSICS ASTRONOMY	CAREER: UNIVERSAL DYNAMICS OF MANY-BODY QUANTUM SYSTEMS FAR FROM EQUILIBRIUM
182	\$72,311	FERMI NATIONAL ACCELERATOR LABORATORY	Mahn, Kendall	PHYSICS ASTRONOMY	DEEP UNDERGROUND NEUTRINO EXPERIMENT (DUNE) - WBS 131.02.03.02.06 - ND LARTPC CALIBRATION
183	\$37,300	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	Zepf, Stephen	PHYSICS ASTRONOMY	A HIGH SPATIAL RESOLUTION X-RAY SURVEY OF THE HALO OF M87
184	\$51,036	NATIONAL INST OF HEALTH	Levitsky, Yan	PHYSIOLOGY NATURAL SCIENCE	MITOCHONDRIAL CERAMIDE AND DIABETIC RETINOPATHY
185	\$14,239	PACE UNIVERSITY	Emery, Nathaniel	PLANT BIOLOGY CNS	RCN-UBE: BIOLOGICAL AND ENVIRONMENTAL DATA EDUCATION (BEDE) NETWORK: PREPARING INSTRUCTORS TO INTEGRATE DATA SCIENCE INTO UNDERGRADUATE BIOLOGY AND ENVIRONMENTAL SCIENCE CURRICULA

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

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
186	\$122,284	NATIONAL SCIENCE FOUNDATION	Lowry, David	PLANT BIOLOGY CNS	THE MECHANISMS OF ADAPTIVE SHIFTS IN ALLOCATION AMONG GROWTH, REPRODUCTION, AND DEFENSE
187	\$38,668	NATIONAL SCIENCE FOUNDATION	Brandizzi, Federica	PLANT RESEARCH LABORATORY NAT SCIENCE	IX CELL WALL RESEARCH CONFERENCE 2022 (IXCWRC): CELL WALL RESEARCH FOR NEW FUNDAMENTAL DISCOVERIES AND APPLICATIONS IN PLANT BIOLOGY
<b>COLLEGE OF NURSING</b>					
188	\$50,000	BLUE CROSS BLUE SHIELD OF MICHIGAN FOUNDATION	Kao, Tsui-Sui	NURSING	NATIVE AMERICAN TRIBAL FAMILIES IN MICHIGAN: USING HAIR CORTISOL TO MEASURE STRESS AND ITS IMPACTS ON LIFESTYLE MODIFICATION
<b>COLLEGE OF OSTEOPATHIC MEDICINE</b>					
189	\$6,000	ADDEX PHARMA SA	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	ADDEX PHARMA S.A. / "PHASE 2B/3, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL-GROUP, MULTICENTER STUDY TO EVALUATE THE SAFETY AND EFFICACY OF DIPRAGLURANT (ADX48621) FOR THE TREATMENT
190	\$9,450	NEURODERM LTD	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A MULTICENTER, RANDOMIZED, ACTIVE-CONTROLLED, DOUBLE-BLIND, DOUBLE-DUMMY, PARALLEL GROUP CLINICAL TRIAL, INVESTIGATING THE EFFICACY, SAFETY, AND TOLERABILITY OF CONTINUOUS SUBCUTANEOUS ND0612 INFUSION
191	\$8,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Khalil, Suad	NEUROLOGY AND OPHTHALMOLOGY COM	NEUROLOGY TELEMEDICINE PROJECT NEUTEL-MS
192	\$10,272	RA PHARMACEUTICALS INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY TO CONFIRM THE SAFETY, TOLERABILITY, AND EFFICACY OF ZILUCOPLAN IN SUBJECTS WITH GENERALIZED MYASTHENIA GRAVIS
193	\$195,900	EISAI INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	EISAI BAN2401-G000-201 OPEN LABEL EXTENSION
194	\$6,793	SUPERNUS PHARMACEUTICALS INC	Thusang, Kabelo	NEUROLOGY AND OPHTHALMOLOGY COM	A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTICENTER, PARALLEL GROUP STUDY TO EVALUATE THE EFFICACY AND SAFETY OF SPN-538 AS A THERAPY FOR THE PREVENTION OF MIGRAINE IN SUBJECTS AGES 6-11 YEARS
195	\$49,810	UNIVERSITY OF ROCHESTER	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	AGGRESSIVE ANTIPYRETICS IN CNS MALARIA: A RANDOMIZED-CONTROLLED TRIAL ASSESSING ANTIPYRETIC EFFICACY AND PARASITE CLEARANCE
196	\$1,267,352	NATIONAL INST OF HEALTH	Taylor, Terrie	OSTEOPATHIC MEDICAL SPECIALTIES COM	TREATING BRAIN SWELLING IN PEDIATRIC CEREBRAL MALARIA

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

	Amount	Sponsor	Principal Investigator/ Director	Unit	Project Title
197	\$9,000	AMERICAN SOCIETY FOR PHARMACOLOGY & EXPERIMENTAL THERAPEUTICS	Dorrance, Anne	PHARMACOLOGY TOXICOLOGY	SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP
198	\$14,758	UNIVERSITY OF NORTH CAROLINA	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	UNDERSTANDING MATERNAL-FETAL ZIKA VIRUS TRANSMISSION AND ITS COMPLICATIONS IN NICARAGUA
<b>COLLEGE OF SOCIAL SCIENCE</b>					
199	\$132,547	ARIZONA STATE UNIV	Maxwell, Christopher	CRIMINAL JUSTICE	OBJECTIVE 4: ASSESSING THE IMPACT OF DOMESTIC VIOLENCE-SPECIFIC RISK ASSESSMENT TOOLS ON PRETRIAL DECISION MAKING, CASE OUTCOMES, AND VICTIM SAFETY
200	\$117,758	GEORGE MASON UNIV	McGarrell, Edmund	CRIMINAL JUSTICE	JCOIN COORDINATION AND TRANSLATION CENTER - COMMUNITY STAKEHOLDER
201	\$392,371	OFFICE OF JUSTICE PROGRAMS	Wolfe, Scott	CRIMINAL JUSTICE	CORE CAPACITY AND SPECIAL EMPHASIS SAC PROPOSAL: MICHIGAN STATISTICAL ANALYSIS CENTER 2021
202	\$251,642	JOYCE FOUNDATION	Zeoli, April	CRIMINAL JUSTICE	DVRO STUDY MICHIGAN AND WISCONSIN
203	\$31,552	UNIVERSITY OF FLORIDA	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	A SPATIOTEMPORAL INVESTIGATION OF HEAT WAVE DYNAMICS
204	\$2,122,374	STATE OF MICHIGAN	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	MICHIGAN STATEWIDE HYDROGRAPHY UPDATE
205	\$100,000	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Theuerkauf, Ethan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	SEDIMENT TRANSPORT NEARSHORE STUDY
206	\$100,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	WHERE ARE THE MISSING BURNED AREAS? GLOBAL HOTSPOTS OF BURNED AREA - A MULTIREOLUTION ANALYSIS
207	\$200,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	AFRICA BURNED AREA PRODUCT GENERATION, QUALITY ASSESSMENT AND VALIDATION - DEMONSTRATING A MULTI-SOURCE LAND IMAGING (MUSLI) LANDSAT-8 SENTINEL-2 CAPABILITY
208	\$71,320	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	GLOBAL LONG-TERM MULTI-SENSOR WEB-ENABLED LANDSAT DATA RECORD - A CONTINUATION REQUEST

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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
209	\$25,000	ASSOC FOR THE STUDY OF AFRICAN AMERICAN LIFE & HISTORY	Wheat, David	HISTORY	AFRICAN PARTICIPATION IN THE DE SOTO EXPEDITION
210	\$355,774	HIGHSCOPE EDUCATIONAL RESEARCH FOUNDATION	Skibbe, Lori	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	SUPPORTING PRESCHOOL AND KINDERGARTEN STUDENTS' SELF-REGULATION THROUGH HIGHSCOPE CURRICULUM ENHANCEMENTS: PLAN-DO-REVIEW AND CONFLICT RESOLUTION
211	\$23,314	GOSHEN COLLEGE	Foley, Catherine	MATRIX HUM ARTS LETTERS SOC SCI ONLINE	CREATING THE MARA CULTURAL HERITAGE DIGITAL LIBRARY FOR ACCESS TO TANZANIAN ORAL TRADITION AND RELATED LINGUISTIC AND CULTURAL MATERIALS
212	\$195,077	UNIVERSITY OF CALIFORNIA SANTA BARBARA	Rehberger, Dean	MATRIX HUM ARTS LETTERS SOC SCI ONLINE	A1: KNOWWHEREGRAPH: ENRICHING AND LINKING CROSS-DOMAIN KNOWLEDGE GRAPHS USING SPATIALLY-EXPLICIT AI TECHNOLOGIES TO ADDRESS PRESSING CHALLENGES AT THE HUMAN-ENVIRONMENT NEXUS
213	\$10,000	PUBLIC RELIGION RESEARCH INSTITUTE	Lajevardi, Nazita	POLITICAL SCIENCE	PPRI'S RELIGION AND RENEWING DEMOCRACY INITIATIVE.
214	\$180,399	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Campbell, Rebecca	PSYCHOLOGY SOCIAL SCIENCE	RELATIONSHIP VIOLENCE IN SEXUAL MISCONDUCT EDUCATION PROJECT - TRANSFORMING CAMPUS CLIMATE & CULTURE TO SUPPORT SURVIVORS' DISCLOSURES & HELP-SEEKING
215	\$9,945	UNIVERSITY OF PENNSYLVANIA	Ingersoll, Brooke	PSYCHOLOGY SOCIAL SCIENCE	A RANDOMIZED TRIAL OF PROJECT IMPACT, AN EVIDENCE-BASED INTERVENTION FOR INFANTS AND TODDLERS WITH AUTISM SPECTRUM DISORDER
216	\$588,315	NATIONAL INST OF HEALTH	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	A TWIN STUDY OF ANDROGEN EFFECTS ON BINGE EATING RISK DURING PUBERTY IN MALES
217	\$51,423	UNIVERSITY OF MICHIGAN	McAuley, J	PSYCHOLOGY SOCIAL SCIENCE	SPONTANEOUS SYNCHRONIZATION TO SPEECH AS A WINDOW INTO AUDITORY MOTOR INTEGRATION IN STUTTERING
218	\$14,456	UNIVERSITY OF ILLINOIS CHICAGO	Neal, Jennifer	PSYCHOLOGY SOCIAL SCIENCE	PATIENT NAVIGATORS FOR CHILDREN'S COMMUNITY MENTAL HEALTH SERVICES IN HIGH POVERTY URBAN COMMUNITIES
219	\$7,215	TRI COUNTY OFFICE ON AGING	Brock, Michele	SOCIAL WORK	KINSHIP CARE
220	\$399,322	CENTERS FOR DISEASE CONTROL & PREVENTION	McCauley, Heather	SOCIAL WORK	THE PUBLIC WILL CAMPAIGN: SHIFTING SOCIAL NORMS TO PREVENT CHILD SEXUAL ABUSE
221	\$495,981	NATIONAL INST OF FOOD & AGRICULTURE	Gasteyer, Stephen	SOCIOLOGY SOCIAL SCIENCE	UNDERSTANDING THE LINK BETWEEN WATER INFRASTRUCTURE AND ECONOMIC DEVELOPMENT IN RURAL AMERICA
222	\$42,734	CENTER FOR INTL CLIMATE RESEARCH	McCright, Aaron	SOCIOLOGY SOCIAL SCIENCE	RIGHT-WING POPULISM AND THE POLITICAL FEASIBILITY OF CLIMATE POLICY
<b>COLLEGE OF VETERINARY MEDICINE</b>					

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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
223	\$85,812	BOEHRINGER INGELHEIM INC	Abuelo Sebio, Angel	LARGE ANIMAL CLINICAL SCIENCES	EFFECT OF DRY PERIOD VACCINATION WITH ENTERVENE®-D IN PREVENTING THE SPREAD OF SALMONELLA DUBLIN IN DAIRY HERDS
224	\$300,000	AGRICULTURE & FOOD RESEARCH INITIATIVE	Abuelo Sebio, Angel	LARGE ANIMAL CLINICAL SCIENCES	REDUCING THE SPREAD OF SALMONELLA DUBLIN IN DAIRY FARMS THROUGH EVIDENCE BASED VACCINATION PROTOCOLS
225	\$642,000	AGRICULTURE & FOOD RESEARCH INITIATIVE	Abuelo Sebio, Angel	LARGE ANIMAL CLINICAL SCIENCES	IDENTIFICATION AND MODULATION OF OXIDATIVE STRESS IN DAIRY COWS FOR A SUCCESSFUL TRANSITION INTO LACTATION
226	\$43,343	NATIONAL INST OF HEALTH	Ewart, Susan	LARGE ANIMAL CLINICAL SCIENCES	INCREASING DIVERSITY IN EXPERIENTIAL RESEARCH EDUCATION AT MICHIGAN STATE UNIVERSITY
227	\$74,886	MORRIS ANIMAL FOUNDATION	Hussey, Gisela	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	GENERATION OF A NOVEL FELINE CORE VACCINE FOR FHV-1, FCV AND FPV BY BAC MUTAGENESIS
228	\$65,628	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Luyendyk, James	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	FIBRIN(OGEN) CONTROL OF METABOLIC INFLAMMATION AND OBESITY
<b>FACILITY FOR RARE ISOTOPE BEAMS</b>					
229	\$8,990,000	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
230	\$160,708	BROOKHAVEN SCIENCE ASSOC LLC	Hao, Yue	FACILITY FOR RARE ISOTOPE BEAMS	JOINT APPOINTMENT AGREEMENT WITH BNL FOR YUE HAO
231	\$193,000	US DEPT OF ENERGY	Chen, Jun	NAT'L SUPERCONDUCTING CYCLOTRON LAB	COMPLILATION AND EVALUATION OF NUCLEAR STRUCTURE AND DECAY DATA
232	\$600,000	US DEPT OF ENERGY	Gade, Alexandra	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NUCLEAR STRUCTURE STUDIES AT THE LIMITS OF STABILITY
233	\$275,000	US DEPT OF ENERGY	Liddick, Sean	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NEUTRON CAPTURE CROSS SECTION MEASUREMENTS ON SHORT-LIVED ISOTOPES
234	\$209,000	US DEPT OF ENERGY	Nunes, Filomena	NAT'L SUPERCONDUCTING CYCLOTRON LAB	PROBING NUCLEI WITH CHARGE-EXCHANGE REACTIONS
235	\$550,000	US DEPT OF ENERGY	Nunes, Filomena	NAT'L SUPERCONDUCTING CYCLOTRON LAB	FRIB THEORY ALLIANCE

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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
236	\$64,272	ARGONNE NATIONAL LABORATORY	Singh, Jaideep	NAT'L SUPERCONDUCTING CYCLOTRON LAB	MEASUREMENTS OF THE RA EDM & BLUE SLOWER UPGRADE
237	\$140,000	US DEPT OF ENERGY	Tsang, Man-Yee	NAT'L SUPERCONDUCTING CYCLOTRON LAB	EXPANDING THE FRONTIERS OF NUCLEAR REACTIONS WITH RARE-ISOTOPE BEAMS
<b>ASC PROV FOR UNIV OUTREACH ENGAGEMENT</b>					
238	\$449,998	MICHIGAN DEPT OF EDUCATION	Wu, Jamie	COMMUNITY EVALUATION AND RSCH COLLABRTVE	2021-2022 EVALUATION OF MICHIGAN 21ST CENTURY COMMUNITY LEARNING CENTERS
239	\$30,000	MICHIGAN DEPT OF EDUCATION	Wu, Jamie	COMMUNITY EVALUATION AND RSCH COLLABRTVE	THE STUDY OF STATE FUNDED PRESCHOOL PROGRAM FOR THREE-YEAR-OLD CHILDREN
240	\$31,840	UNIVERSITY OF COLORADO	Barnes Najor, Jessica	OUTREACH AND ENGAGEMENT PARTNERSHIPS	TRIBAL RESEARCH CENTER FOR EARLY CHILDHOOD DEVELOPMENT AND SYSTEMS (TRECS)
241	\$2,676,453	SMALL BUSINESS ADMINISTRATION	Brand, Michael	PERFORMING ARTS FACILITIES AND PROGRAMS	SHUTTERED VENUE OPERATOR GRANT FOR COVID-19 RELIEF
<b>MSU AGBIORESEARCH</b>					
242	\$299,998	NATIONAL INST OF FOOD & AGRICULTURE	Quintanilla Tornel, Marisol	ENTOMOLOGY MABR	EVALUATION OF THE HOP CYST NEMATODE, HETERODERA HUMULI, AN EMERGING PATHOGEN OF UNITED STATES HOP (HUMULUS LUPULUS) PRODUCTION
243	\$150,000	US GEOLOGICAL SURVEY	Infante, Dana	FISHERIES AND WILDLIFE MABR	AQUATIC GAP ANALYSIS PROGRAM: ENHANCING A NATIONAL VIEW OF CONSERVATION NEEDS OF FISHES AND THEIR HABITATS
244	\$131,804	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Bergholz, Teresa	FOOD SCIENCE AND HUMAN NUTRITION MABR	FOOD EMERGENCY RESPONSE NETWORK
245	\$65,000	UNIVERSITY OF WISCONSIN	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	MULTI-DIMENSIONAL APPROACHES FOR IMPROVED PRODUCTIVITY, SUSTAINABILITY, AND MANAGEMENT OF MAJOR SOYBEAN DISEASES IN THE NORTH CENTRAL U.S.
246	\$6,653	PEPSICO INC	Douches, David	PLANT SOIL AND MICROBIAL SCIENCES	POTATO DNA SNP FINGERPRINTING
247	\$750,000	NATIONAL INST OF FOOD & AGRICULTURE	Li, Hui	PLANT SOIL AND MICROBIAL SCIENCES	MITIGATING UPTAKE OF PER- AND POLYFLUOROALKYL SUBSTANCES BY CROPS USING SOIL AMENDMENTS



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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
	<b>MICHIGAN STATE UNIVERSITY EXTENSION</b>				
248	\$25,000	NATIONAL ASSOC OF STATE DEPT OF AG	Tocco, Phillip	EXTENSION AGRICULTURE AND AGRIBUSINESS	FSMA ON-FARM READINESS REVIEW TRAINING DEVELOPMENT AND DELIVERY
249	\$7,000	CELERY RESEARCH INC	Werling, Benjamin	EXTENSION AGRICULTURE AND AGRIBUSINESS	CELERY RESEARCH, INC - 2022 GIFTS FOR RESEARCH & EXTENSION ON CELERY PRODUCTION AND PEST MANAGEMENT
250	\$6,000	CELERY RESEARCH INC	Werling, Benjamin	EXTENSION AGRICULTURE AND AGRIBUSINESS	CELERY RESEARCH, INC - 2022 GIFTS FOR RESEARCH & EXTENSION ON CELERY PRODUCTION AND PEST MANAGEMENT
251	\$23,825	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
252	\$144,552	STEELCASE FOUNDATION	Moore, Erin	EXTENSION CHILDREN AND YOUTH	YOUTH AND TEEN MENTAL HEALTH FIRST AID
253	\$5,731	CITY OF DETROIT	Wisnewski, Diane	EXTENSION CHILDREN AND YOUTH	DETROIT DAY CAMP SUMMER YOUTH PROGRAM
254	\$650,000	NATIONAL INST OF FOOD & AGRICULTURE	Carpenter, Craig	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	DOCUMENTING DISCRIMINATION AND RESEARCHING POLICY: RACIAL INEQUALITY AND ECONOMIC OPPORTUNITY IN RURAL AMERICA 1920-2020
255	\$60,310	TOTAL HEALTH CARE FOUNDATION	Edwards, Naim	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	DETROIT PARTNERSHIP FOR FOOD, LEARNING, AND INNOVATION EDIBLE FOREST
256	\$18,150	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Knudson, William	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	FEASIBILITY STUDY FOR NORTHERN MICHIGAN BEEF AND DAIRY FEEDLOT
257	\$28,694	MICHIGAN STATE HOUSING DEVELOPMENT AUTHORITY	Long, Brenda	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	NEIGHBORWORKS HOUSING COUNSELING STABILITY PROGRAM

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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
258	\$27,205	EXTENSION FOUNDATION	Ruemenapp, Marie	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	EXTENSION FOUNDATION FELLOWSHIP
259	\$547,453	AGRICULTURAL MARKETING SERVICE	Ziegler, Garrett	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	FARM TO EVERYONE: UTILIZING A STATEWIDE NETWORK TO BUILD REGIONAL CAPACITY FOR LOCAL CSA FARMERS TO SERVE ALL LOCAL RESIDENTS
260	\$2,333,333	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Eschbach, Cheryl	EXTENSION HEALTH AND NUTRITION	COVID HEALTH AMBASSADOR
261	\$17,587	CLEMSON UNIV	Galdamez, Imelda	EXTENSION HEALTH AND NUTRITION	FACT-CIN: EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM - WEBNEERS
262	\$20,000	MISSISSIPPI STATE UNIV	Pizana, Dionardo	MSUE DIRECTORS OFFICE	COMING TOGETHER FOR RACIAL UNDERSTANDING & DEI ECOP ACTION TEAM
263	\$20,001	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	NATURAL COMMUNITY SURVEYS OF FRD LANDS 2022
264	\$17,197	ARENAC CONSERVATION DISTRICT	Higman, Phyllis	NATURAL FEATURES INVENTORY MSUE	REINFORCING AND EXPANDING THE BENEFITS OF GLRI-FUNDED PHRAGMITES TREATMENT IN THE SAGINAW BAY WATERSHED
265	\$52,809	MICHIGAN DEPT OF NATURAL RESOURCES	Monfils, Michael	NATURAL FEATURES INVENTORY MSUE	MNFI 2022 - TITLE 4 - ADAPTIVE MANAGEMENT OF GRASSLANDS & SAVANNA HABITAT IN ML & OH FOR SPECIES OF GREATEST CONSERVATION NEED
266	\$55,100	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Monfils, Michael	NATURAL FEATURES INVENTORY MSUE	CAMP GRAYLING BIRD SURVEY DESIGN AND IMPLEMENTATION
267	\$738,690	UNIVERSITY OF MINNESOTA	Frank, Kevin	PLANT SOIL AND MICROBIAL SCIENCES	WINTERTURF: A HOLISTIC APPROACH TO UNDERSTANDING THE MECHANISMS AND MITIGATING THE EFFECTS OF WINTER STRESS ON TURFGRASSES IN NORTHERN CLIMATES
<b>RESEARCH AND INNOVATION</b>					
268	\$240,261	COMMUNITY FOUNDATION HOLLAND ZEELAND AREA	Guarr, Thomas	BIOECONOMY INSTITUTE	SUPPORT FOR BIOECONOMY INSTITUTE R&D DIRECTOR

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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/ Director</b>	<b>Unit</b>	<b>Project Title</b>
269	\$107,833	NATIONAL INST OF HEALTH	Atchison, William	INSTITUTE FOR INTEGRATIVE TOXICOLOGY	FIRST TIME SUMMER RESEARCH EXPERIENCE IN ENVIRONMENTAL HEALTH SCIENCES
270	\$1,026,997	VARIOUS INDUSTRIES	Hasemann, Charles	MSU INNOVATION CENTER	FEE FOR SERVICE - INDUSTRY
271	\$801,000	MICHIGAN STATE UNIV FOUNDATION	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY COMMERCIALIZATION - MSUT (RG100310)
272	\$25,000	UNIVERSITY OF MICHIGAN	Hasemann, Charles	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY TRANSFER TALENT NETWORK - 8
273	\$25,000	UNIVERSITY OF MICHIGAN	Hasemann, Charles	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY TRANSFER TALENT NETWORK - 8
274	\$25,000	UNIVERSITY OF MICHIGAN	Hasemann, Charles	OFFICE OF RESEARCH AND INNOVATION	TECHNOLOGY TRANSFER TALENT NETWORK - 8
<b>VICE PRES FOR STUDENT AFFAIRS SERVICES</b>					
275	\$405,288	MICHIGAN COLLEGE ACCESS NETWORK	Shaw, Allyn	STUDENT AFFAIRS SERVICES VICE PRES	MCAN (MICHIGAN COLLEGE ACCESS NETWORK) 2021-22
<b>UNIVERSITY ADVANCEMENT</b>					
276	\$90,303,520	VARIOUS DONORS - ADVANCEMENT	Heil, Marti	VICE PRESIDENT UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR THE PERIOD 10/01/2021 TO 12/31/2021
<b>FINANCE</b>					
277	\$8,977,579	VARIOUS GRANTORS	Pedawi, Evonne	SPONSORED PROGRAMS ADMIN CGA POSTAWARD	FEE FOR SERVICE - OTHER
<b>VARIOUS</b>					
278	\$111,901	VARIOUS	Various	Various	43 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION
	<b>\$163,855,842</b>	<b>Total February 2022 Board</b>			

CONSIGNMENT/NON-CASH GIFTS  
BOARD OF TRUSTEES  
February 11, 2022

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Furniture for WKAR Studio	Herman Miller Co.	University Advancement	\$10,290.65	Staff & client use.
2	Air transportation	Mike McNamara	Intercollegiate Athletics/ Spartan Fund	\$9,817.73	Flight for Coach Izzo & staff.
3	15-year-old mixed breed mare 11-year-old Appaloosa mare	Steven Jensen	Large Animal Clinical Sciences	\$9,800.00	CVM & LCS Teaching
4-31	Various	Various	Various	\$36,518.89	28 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>\$66,427.27</b>	