

**MICHIGAN STATE  
UNIVERSITY**

**APPROVED**  
**APRIL 16, 2021**  
**BOARD OF TRUSTEES**  
**MICHIGAN STATE UNIVERSITY**

April 5, 2021

**MEMORANDUM**

TO: Members of the Board of Trustees

FROM: Douglas A. Gage, Interim 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 January 16, 2021 through March 19, 2021. The report is a compilation of 479 Gifts, Grants and Contracts plus 40 Consignment/Non-Cash Gifts, with a total value of \$132,289,862.



FY 2020-21 TOTALS:

- a) Gifts, Grants and Contracts only: \$600,417,698
- b) Gifts, Grants and Contracts plus Consignments: \$603,878,503

(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 &  
INNOVATION**

Douglas A. Gage, Ph.D.  
Interim 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: 04/16/2021

Current Period: Jan 16, 2021 - Mar 19, 2021

#### AWARD TOTALS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$65,017,985	\$325,711,696	87.2%
State of Michigan	\$1,838,314	\$7,084,078	1.9%
Other	\$3,544,081	\$14,750,128	4.0%
Industry/CO	\$3,491,095	\$7,920,258	2.1%
Foundation	\$654,192	\$15,018,013	4.0%
Association	\$1,116,318	\$2,895,190	0.8%
<b>Research - Total</b>	<b>\$75,661,985</b>	<b>\$373,379,362</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	\$49,825,894	\$97,373,763	42.9%
State of Michigan	\$1,300,007	\$36,732,741	16.2%
Other	\$343,119	\$14,741,163	6.5%
Industry/CO	\$276,018	\$2,463,792	1.1%
Foundation	\$4,290,619	\$12,125,583	5.3%
Association	\$45,752	\$196,223	0.1%
Various Donors - Advancement	\$0	\$63,405,070	27.9%
<b>Non-Research - Total</b>	<b>\$56,081,410</b>	<b>\$227,038,336</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Amount % YTD
Federal Government	\$114,843,880	\$423,085,459	70.5%
State of Michigan	\$3,138,321	\$43,816,818	7.3%
Other	\$3,887,200	\$29,491,292	4.9%
Industry/CO	\$3,767,113	\$10,384,050	1.7%
Foundation	\$4,944,812	\$27,143,596	4.5%
Association	\$1,162,070	\$3,091,413	0.5%
Various Donors - Advancement	\$0	\$63,405,070	10.6%
<b>TOTAL</b>	<b>\$131,743,396</b>	<b>\$600,417,698</b>	<b>100%</b>

#### # OF AWARDS

Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	167	956	53.1%
State of Michigan	22	75	4.2%
Other	42	237	13.2%
Industry/CO	64	211	11.7%
Foundation	17	78	4.3%
Association	65	244	13.5%
<b>Research - Total</b>	<b>377</b>	<b>1,801</b>	<b>100%</b>
Non-Research			
Gift/Grant Source	Current Period	Year to Date	% of Total YTD
Federal Government	42	218	40.2%
State of Michigan	9	38	7.0%
Other	13	94	17.3%
Industry/CO	16	87	16.1%
Foundation	17	87	16.1%
Association	5	15	2.8%
Various Donors - Advancement	0	3	0.6%
<b>Non-Research - Total</b>	<b>102</b>	<b>542</b>	<b>100%</b>
Total			
Gift/Grant Source	Current Period	Year to Date	Count % YTD
Federal Government	209	1,174	50.1%
State of Michigan	31	113	4.8%
Other	55	331	14.1%
Industry/CO	80	298	12.7%
Foundation	34	165	7.0%
Association	70	259	11.1%
Various Donors - Advancement	0	3	0.1%
<b>TOTAL</b>	<b>479</b>	<b>2,343</b>	<b>100%</b>

## Current Year / Previous Year

### Gift & Grant Awards

Meeting Date: 04/16/2021

Current Period: Jan 16, 2021 - Mar 19, 2021

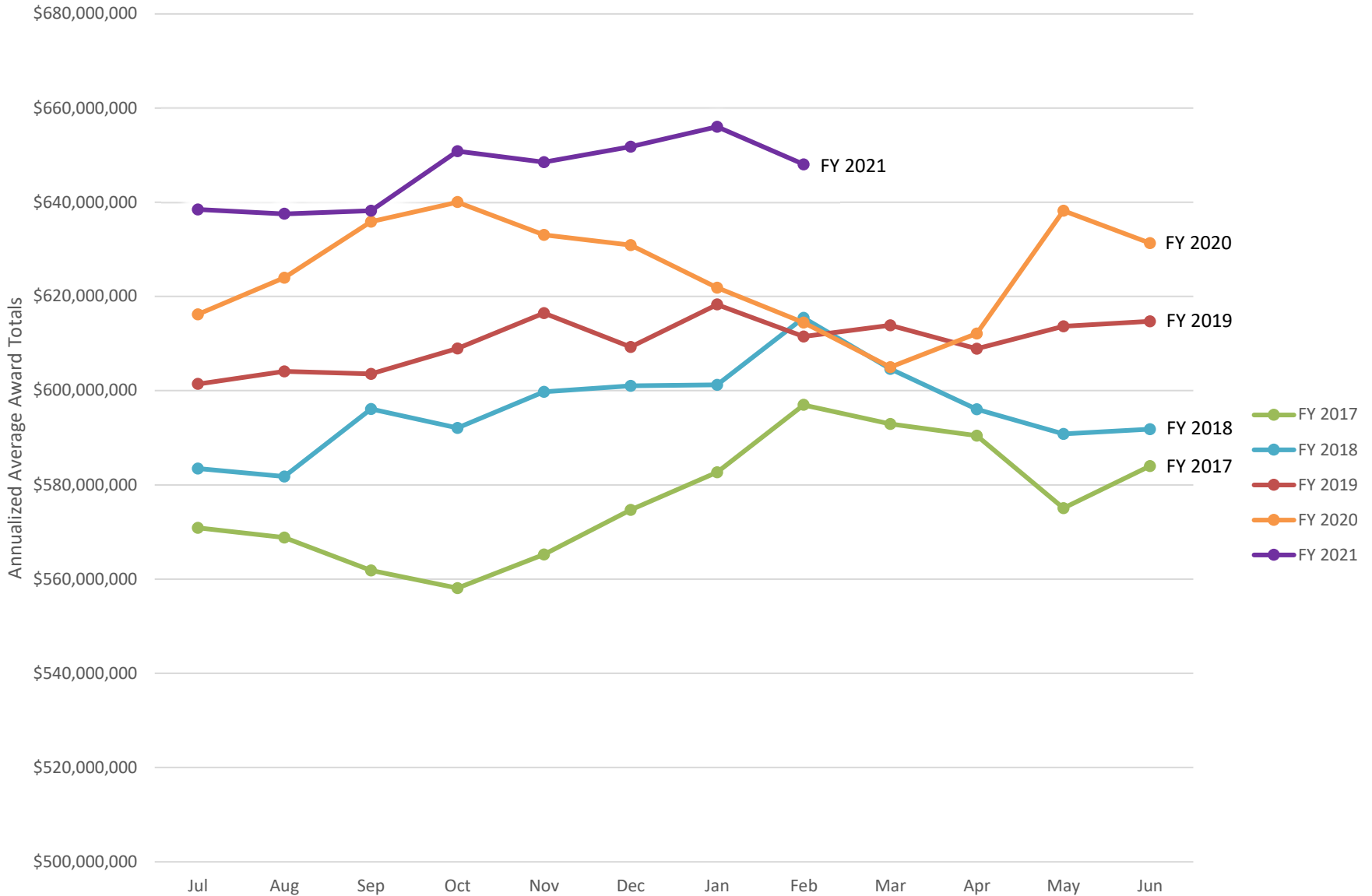
#### AWARD TOTALS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$253,051,717	\$325,711,696	28.7%
State of Michigan	\$9,354,579	\$7,084,078	-24.3%
Other	\$16,114,846	\$14,750,128	-8.5%
Industry/CO	\$9,433,351	\$7,920,258	-16.0%
Foundation	\$25,271,997	\$15,018,013	-40.6%
Association	\$2,921,727	\$2,895,190	-0.9%
Research - Total	\$316,148,217	\$373,379,362	18.1%
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	\$37,985,608	\$97,373,763	156.3%
State of Michigan	\$7,778,436	\$36,732,741	372.2%
Other	\$22,446,662	\$14,741,163	-34.3%
Industry/CO	\$5,108,901	\$2,463,792	-51.8%
Foundation	\$7,041,981	\$12,125,583	72.2%
Association	\$327,054	\$196,223	-40.0%
Various Donors - Advancement	\$74,266,880	\$63,405,070	-14.6%
Non-Research - Total	\$154,955,522	\$227,038,336	46.5%
Total			
Gift/Grant Source	Previous YTD	Year to Date	Amount % Change
Federal Government	\$291,037,325	\$423,085,459	45.4%
State of Michigan	\$17,133,015	\$43,816,818	155.7%
Other	\$38,561,508	\$29,491,292	-23.5%
Industry/CO	\$14,542,253	\$10,384,050	-28.6%
Foundation	\$32,313,977	\$27,143,596	-16.0%
Association	\$3,248,781	\$3,091,413	-4.8%
Various Donors - Advancement	\$74,266,880	\$63,405,070	-14.6%
TOTAL	\$471,103,739	\$600,417,698	27.4%

#### # OF AWARDS

Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	931	956	2.7%
State of Michigan	96	75	-21.9%
Other	291	237	-18.6%
Industry/CO	259	211	-18.5%
Foundation	102	78	-23.5%
Association	130	244	87.7%
Research - Total	1,809	1,801	-0.4%
Non-Research			
Gift/Grant Source	Previous YTD	Year to Date	% Change
Federal Government	171	218	27.5%
State of Michigan	52	38	-26.9%
Other	100	94	-6.0%
Industry/CO	145	87	-40.0%
Foundation	89	87	-2.2%
Association	21	15	-28.6%
Various Donors - Advancement	3	3	0.0%
Non-Research - Total	581	542	-6.7%
Total			
Gift/Grant Source	Acceptance Total	Year to Date	Count % Change
Federal Government	1,102	1,174	6.5%
State of Michigan	148	113	-23.6%
Other	391	331	-15.3%
Industry/CO	404	298	-26.2%
Foundation	191	165	-13.6%
Association	151	259	71.5%
Various Donors - Advancement	3	3	0.0%
TOTAL	2,390	2,343	-2.0%

## Michigan State University 3 Year Annualized Average Awards



## Top 10 Awards for the April 16, 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	\$30,935,897	Mark Haas	US Dept of Education	CONTROLLER	Modification	Student Services	05/05/2020 05/04/2021	CARES Act Funding Request for MSU - Supplemental funding for the Institution Portion (COVID-19)
2	Federal Government	\$15,028,856	Samuel Stanley	US Dept of Education	FINANCIAL AID	Modification	Student Services	04/24/2020 04/23/2021	CARES Act Funding Request for MSU - Supplement to Student Portion (COVID-19)
3	Federal Government	\$11,851,376	Douglas Landis	US Dept of Energy	GREAT LAKES BIOENERGY RESEARC CTR VPRGS	Modification	Research	12/01/2017 11/30/2022	Great Lakes Bioenergy Research Center
4	Federal Government	\$11,000,000	Bradley Sherrill	National Science Foundation	NAT'L SUPERCONDUCTING CYCLOTRON LAB	Modification	Research	10/01/2016 09/30/2021	Operation of the NSCL as a National User Facility & Research Program
5	Foundation	\$3,074,000	Natalie Phillips	The Andrew W Mellon Foundation	ENGLISH	New	Public Service	01/01/2021 12/31/2023	Creativity in the Time of COVID-19: Art as a Tool for Combating Inequity and Injustice
6	Federal Government	\$2,571,064	Bruno Basso	USDA-Natural Resources Conservation Service	EARTH AND ENVIRONMENTAL SCIENCES	New	Research	03/03/2021 12/31/2025	Digital Agriculture to Enhance the Sustainability of US Cropping Systems
7	Industry/CO	\$1,959,592	Denise Holmes	Alliance Corp	CHM WEST MICHIGAN	Modification	Research	07/01/2007 06/30/2022	MSU-ALLIANCE TRANSLATIONAL HEALTH RESEARCH IN GRAND RAPIDS
8	Federal Government	\$1,900,000	Kevin Mackey	US Dept of State	EARTH AND ENVIRONMENTAL SCIENCES	New	Research	09/13/2019 09/21/2021	AVC/OAS Seismic Calibration Experiment in Georgia
9	Federal Government	\$1,828,029	Simon Petersen-Jones	National Inst of Health	SMALL ANIMAL CLINICAL SCIENCES	Modification	Research	04/01/2018 01/31/2023	Translational Gene Therapy for CNGB1 Retinitis Pigmentosa
10	Federal Government	\$1,220,897	Erich Grotewold	National Science Foundation	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	Modification	Research	02/01/2018 01/31/2022	RESEARCH-PGR: Elucidating Maize Gene Regulatory Networks to Accelerate Translational Genomics
	<b>TOTAL</b>	<b>\$81,369,711</b>							

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
<b>COLLEGE OF AGRICULTURE AND NAT RESOURCES</b>					
1	\$188,000	INTL FOOD POLICY RESEARCH INST	Jayne, Thomas	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	CGIAR RESEARCH PROGRAM ON POLICIES, INSTITUTIONS, AND MARKETS (PIM)
2	\$199,932	US AGENCY FOR INTL DEVELOPMENT	Theriault, Veronique	AGRICULTURAL FOOD AND RESOURCE ECONOMICS	MALI FOOD SECURITY POLICY RESEARCH PROJECT
3	\$499,900	AGRICULTURE & FOOD RESEARCH INITIATIVE	Huang, Wen	ANIMAL SCIENCE DEPARTMENT ANR	FACT: SWIM - A CYBER-ENABLED SWINE GENOME IMPUTATION FRAMEWORK AND PUBLICLY ACCESSIBLE SERVER FOR NUCLEOTIDE RESOLUTION GENETIC MAPPING
4	\$55,907	COTTON INC	Lock, Adam	ANIMAL SCIENCE DEPARTMENT ANR	META ANALYSIS TO DETERMINE THE IMPACT OF COTTONSEED ON PRODUCTION RESPONSES OF LACTATING DAIRY COWS
5	\$1,000,000	NATIONAL INST OF FOOD & AGRICULTURE	Siegford, Janice	ANIMAL SCIENCE DEPARTMENT ANR	UNDERSTANDING PRECISION LIVESTOCK FARMING ADOPTION IN THE U.S. SWINE INDUSTRY: EXAMINING NEEDS, PERCEPTIONS, AND WILLINGNESS TO PAY OF USERS AND CONSUMERS
6	\$21,262	CORN MARKETING PROGRAM OF MICHIGAN	Ghane, Ehsan	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	CONTROLLED DRAINAGE: A CONSERVATION DRAINAGE PRACTICE TO REDUCE PHOSPHORUS LOSS FROM SUBSURFACE-DRAINED FIELDS
7	\$480,084	US DEPT OF DEFENSE	Liao, Wei	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	BLACK WATER TREATMENT TESTING
8	\$206,070	BOOZ ALLEN HAMILTON INC	Liao, Wei	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	A COMBINED ELECTROCHEMICAL AND BIOLOGICAL BLACKWATER TREATMENT PROCESS
9	\$299,817	NATIONAL INST OF FOOD & AGRICULTURE	Marks, Bradley	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	SUPPORTING SMALL AND VERY SMALL U.S. MEAT/POULTRY PROCESSORS IN COMPLYING WITH USDA FSIS REGULATORY CHANGES FOR FULLY-COOKED PRODUCTS
10	\$342,343	RESEARCH FOUNDATION OF CUNY	Reinhold, Dawn	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	TARGETING THE DUCKWEED MICROBIOME FOR PLANT HEALTH AND SUSTAINABILITY OF NATURAL RESOURCES
11	\$52,106	GERBER NESTLE	Safferman, Steven	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	FOOD PROCESSING WASTEWATER IRRIGATION FIELD MONITORING, MODELING, AND DATA ANALYSES
12	\$245,000	UNIVERSITY OF ILLINOIS	Srivastava, Ajit	BIOSYSTEMS AND AGRICULTURAL ENGINEERING	APPROPRIATE-SCALE MECHANIZATION CONSORTIUM FOR SUSTAINABLE INTENSIFICATION PHASE II

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
13	\$249,999	NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA	Hodbod, Jennifer	DEPARTMENT OF COMMUNITY SUSTAINABILITY	VALUES AND ADOPTION IN REGENERATIVE GRAZING PRACTICES AND ASSOCIATED WELLBEING OUTCOMES FOR COW-CALF PRODUCERS
14	\$122,533	FAIR FOOD NETWORK	Pirog, Richard	DEPARTMENT OF COMMUNITY SUSTAINABILITY	COMPREHENSIVE AND INTEGRATED CENTER FOR NUTRITION INCENTIVE PROGRAM TRAINING, TECHNICAL ASSISTANCE, EVALUATION AND REPORTING
15	\$10,000	OHIO STATE UNIV	Difonzo, Christina	ENTOMOLOGY AGRICULTURE AND NATURAL RES	SOYBEAN ENTOMOLOGY RESEARCH AND EXTENSION IN THE NORTH CENTRAL REGION
16	\$99,637	NATIONAL GRAPE COOPERATIVE ASSOC	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	ADDRESSING PRIORITY ISSUES IN BERRY MOTH MANAGEMENT FOR MICHIGAN VINEYARDS
17	\$100,067	BEE INFORMED PARTNERSHIP INC	Milbrath, Meghan	ENTOMOLOGY AGRICULTURE AND NATURAL RES	MICHIGAN STATE UNIVERSITY/MICHIGAN TECHNICAL TRANSFER TEAM TO MONITOR COLONY HEALTH
18	\$5,500	BAYER CROPSCIENCE SA NV	Mota-Sanchez, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING OF BAYER COMPOUNDS IN A SUSCEPTIBLE AND A FIELD POPULATION OF LARVAE OF FALL ARMYWORM
19	\$530,242	NATIONAL INST OF JUSTICE	Pechal, Jennifer	ENTOMOLOGY AGRICULTURE AND NATURAL RES	POTENTIAL POSTMORTEM MICROBIAL BIOMARKERS OF INFANT DEATH INVESTIGATION
20	\$8,800	OHP INC	Smitley, David	ENTOMOLOGY AGRICULTURE AND NATURAL RES	APHIDS AND THRIPS CONTROL ON GREENHOUSE ORNAMENTALS
21	\$10,000	MICHIGAN ASPARAGUS RESEARCH INC	Szendrei, Zsofia	ENTOMOLOGY AGRICULTURE AND NATURAL RES	GREEN MATCHING FUNDS: INTEGRATED MANAGEMENT STRATEGIES TO REDUCE ASPARAGUS BEETLES DURING HARVEST
22	\$10,000	PACIFIC BIOCONTROL CORP	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TESTING PHEROMONE DISPENSERS FOR SAN JOSE SCALE.
23	\$22,914	CHERRY MARKETING INST	Wilson, Julianna	ENTOMOLOGY AGRICULTURE AND NATURAL RES	TREE FRUIT INTEGRATOR POSITION
24	\$106,923	MICHIGAN DEPT OF NATURAL RESOURCES	Bence, James	FISHERIES AND WILDLIFE	IMPROVING FISHERY STOCK ASSESSMENTS IN THE GREAT LAKES
25	\$55,277	GREAT LAKES FISHERY COMMISSION	Bence, James	FISHERIES AND WILDLIFE	ASSESSING INDIVIDUAL VARIABILITY IN GROWTH RATES FOR GREAT LAKES FISH POPULATIONS

**Gift, Grant and Contract Report**  
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**April 2021**

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
26	\$10,033	US FISH & WILDLIFE SERVICE	Bennett, Abigail	FISHERIES AND WILDLIFE	COMMUNITY PARTNERSHIPS TO COMBAT SEA CUCUMBER POACHING AND TRAFFICKING IN YUCATAN, MEXICO: APPLYING GEOGRAPHIC INFORMATION SCIENCE TO PLACE-BASED MONITORING AND ENFORCEMENT
27	\$70,188	GREAT LAKES FISHERY COMMISSION	Brenden, Travis	FISHERIES AND WILDLIFE	SIMULATIONS TO EVALUATE DIRECT AND INDIRECT FACTORS AFFECTING THE RELATIONSHIP BETWEEN SEA LAMPREY ABUNDANCE, LAKE TROUT ABUNDANCE, AND LAKE TROUT WOUNDING
28	\$100,000	MINNESOTA DEPT OF NATURAL RESOURCES	Christensen, Sonja	FISHERIES AND WILDLIFE	PROSPECTIVE SIMULATION ASSESSMENTS OF ALTERNATIVE HARVEST STRATEGIES TO MITIGATE AND CONTROL CWD INVASION AND SPREAD
29	\$6,962	MICHIGAN DEPT OF NATURAL RESOURCES	Infante, Dana	FISHERIES AND WILDLIFE	EFFECTS OF FLOW REDUCTION ON THERMAL DYNAMICS OF STREAMS: IMPROVING AN IMPORTANT LINK IN MICHIGAN'S WATER WITHDRAWAL ASSESSMENT TOOL (WWAT)
30	\$44,951	GREAT LAKES FISHERY COMMISSION	Jones, Michael	FISHERIES AND WILDLIFE	USING STOCK ASSESSMENT INFORMATION TO INFORM HARVEST POLICY IN DATA-LIMITED FISHERIES
31	\$63,360	MICHIGAN DEPT OF NATURAL RESOURCES	Kramer, Daniel	FISHERIES AND WILDLIFE	PERM - DAN KRAMER - SOCIAL, ECONOMIC, AND POLICY ASPECTS OF WILDERNESS MANAGEMENT
32	\$105,503	GREAT LAKES FISHERY COMMISSION	Loch, Thomas	FISHERIES AND WILDLIFE	IMPROVING WILD AND HATCHERY-REARED LAKE TROUT HEALTH VIA DEVELOPMENT OF NOVEL EPIZOOTIC EPITHELIOTROPIC DISEASE PREVENTION METHODS
33	\$252,762	GREAT LAKES FISHERY TRUST	Murphy, Cheryl	FISHERIES AND WILDLIFE	PREDICTING HEALTH HAZARDS TO GREAT LAKES FISH FROM PFAS CONTAMINATION
34	\$136,511	MICHIGAN DEPT OF NATURAL RESOURCES	Riley, Shawn	FISHERIES AND WILDLIFE	PERM: SHAWN RILEY - HUMAN DIMENSION CONSIDERATIONS IN WILDLIFE MANAGEMENT
35	\$130,000	MICHIGAN DEPT OF NATURAL RESOURCES	Riley, Shawn	FISHERIES AND WILDLIFE	PUBLIC ATTITUDES TOWARDS WOLVES AND WOLF MANAGEMENT IN MICHIGAN
36	\$99,420	GREAT LAKES FISHERY COMMISSION	Robinson, John	FISHERIES AND WILDLIFE	DEPLOY AND EVALUATE SEA LAMPREY CONTROLS THAT SUPPLEMENT LAMPRICIDES AND BARRIERS
37	\$65,219	GREAT LAKES FISHERY COMMISSION	Robinson, Kelly	FISHERIES AND WILDLIFE	THE CONSEQUENCES OF CONNECTIVITY
38	\$63,467	GREAT LAKES FISHERY COMMISSION	Robinson, Kelly	FISHERIES AND WILDLIFE	EVALUATING THE EFFECTS OF INCREASED PREDATOR AND COMPETITOR ABUNDANCES ON SLIMY SCULPIN POPULATIONS IN THE GREAT LAKES.
39	\$78,221	MICHIGAN DEPT OF NATURAL RESOURCES	Roloff, Gary	FISHERIES AND WILDLIFE	ROLOFF ANNUAL PERM AGREEMENT
40	\$73,005	MICHIGAN DEPT OF NATURAL RESOURCES	Roloff, Gary	FISHERIES AND WILDLIFE	WILDLIFE RESPONSES TO INNOVATIVE SILVICULTURAL APPROACHES IN NORTHERN HARDWOOD FORESTS OF MICHIGAN



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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
41	\$19,580	BILL & MELINDA GATES FOUNDATION	Rose, Joan	FISHERIES AND WILDLIFE	WATER PATHOGEN KNOWLEDGE TO PRACTICE (WATER-K2P): IMPROVING ACCESSIBILITY TO DATA AND SUPPORT EVIDENCE-BASED APPROACHES TO SAFE WATER AND SANITATION
42	\$13,427	INDO-US SCIENCE & TECHNOLOGY FORUM	Rose, Joan	FISHERIES AND WILDLIFE	OCCURANCE AND PERSISTENCE OF SARS-COV-2 (COVID-19) ALONG WITH KNOWN BIOLOGICAL INDICATORS IN WASTEWATERS OF MUMBAI CITY
43	\$8,489	HDR INC	Stott, Wendylee	FISHERIES AND WILDLIFE	COREGONID SPECIES IDENTIFICATION-SAMPLES FROM LUDINGTON, LAKE MICHIGAN
44	\$115,475	GREAT LAKES FISHERY COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. TOM BINDER
45	\$92,603	GREAT LAKES FISHERY COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. NANCY NATE
46	\$101,014	GREAT LAKES FISHERY COMMISSION	Taylor, William	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. TODD HAYDEN
47	\$104,968	GREAT LAKES FISHERY COMMISSION	Vandergoot, Christopher	FISHERIES AND WILDLIFE	GLFC PERM AGREEMENT FOR DR. CHRISTOPHER VANDERGoot
48	\$46,195	MICHIGAN DEPT OF NATURAL RESOURCES	Warwick, Alexa	FISHERIES AND WILDLIFE	PERM: ALEXA WARWICK – ENGAGEMENT, OUTREACH, AND HUMAN DIMENSIONS IN WILDLIFE MANAGEMENT
49	\$112,335	MICHIGAN DEPT OF NATURAL RESOURCES	Williams, David	FISHERIES AND WILDLIFE	QWC: DAVID WILLIAMS – QUANTITATIVE WILDLIFE CENTER
50	\$445,375	NATIONAL INST OF HEALTH	Strakovsky, Rita	FOOD SCIENCE AND HUM NUTRITION ANR	EXPOSURE TO PHTHALATE MIXTURES IN PREGNANCY AND LONG-TERM CONSEQUENCES FOR MATERNAL METABOLIC AND HORMONAL STATUS
51	\$52,000	BLUE CROSS BLUE SHIELD OF MICHIGAN FOUNDATION	Tucker, Robin	FOOD SCIENCE AND HUM NUTRITION ANR	EFFECTS OF MEDICAL NUTRITION THERAPY COMBINED WITH SLEEP THERAPY EDUCATION ON LONG-TERM BLOOD GLUCOSE CONTROL
52	\$20,243	UNIVERSITY OF FLORIDA	Wu, Felicia	FOOD SCIENCE AND HUM NUTRITION ANR	THE HUMAN HEALTH RISK OF AFLATOXIN M1 IN DAIRY PRODUCTS
53	\$10,000	MICHIGAN DEPT OF NATURAL RESOURCES	Dowtin, Asia	FORESTRY	ARBORICULTURE WORKFORCE DEVELOPMENT PROGRAM
54	\$133,660	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Skole, David	FORESTRY	HOTSPOT DETECTION FOR MONITORING NEW TRENDS IN CARBON SEQUESTRATION IN SYSTEMS OF TREES OUTSIDE OF FORESTS (TOF)
55	\$40,000	MASTERPIECE FLOWER CO LLC	Behe, Bridget	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE MARKETING RESEARCH
56	\$7,000	CELERY RESEARCH INC	Chaudhari, Sushila	HORTICULTURE ANR	UNRESTRICTED GIFT IN VEGETABLE RESEARCH PROGRAM

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
57	\$5,500	BELCHIM CROP PROTECTION US LLC	Chaudhari, Sushila	HORTICULTURE ANR	UNRESTRICTED GIFT IN VEGETABLE RESEARCH
58	\$10,000	MASTERPIECE FLOWER CO LLC	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE RESEARCH
59	\$28,343	PROVEN WINNERS NORTH AMERICA LLC	Lopez, Roberto	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE RESEARCH
60	\$70,000	MICHIGAN GREENHOUSE GROWERS	Lopez, Roberto	HORTICULTURE ANR	GREENHOUSE GROWERS SEEK INNOVATIVE SOLUTIONS TO CONTROL BOTRYTIS BLIGHT
61	\$10,000	COMERICA CHARITABLE TRUST	Runkle, Erik	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE
62	\$15,000	COMERICA CHARITABLE TRUST	Runkle, Erik	HORTICULTURE ANR	GIFT IN SUPPORT OF FLORICULTURE RESEARCH
63	\$10,000	MASTERPIECE FLOWER CO LLC	Runkle, Erik	HORTICULTURE ANR	UNRESTRICTED GIFT IN FLORICULTURE RESEARCH
64	\$34,644	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Vannocker, Steven	HORTICULTURE ANR	NEW APPLE VARIETIES FOR MICHIGAN HARD CIDER PRODUCTION
65	\$59,893	GINER INC	Almenar Rosaleny, Eva	PACKAGING	EFFECTIVE ANTIMICROBIAL TREATMENT TO PREVENT CARCASS CONTAMINATION
66	\$476,868	NATIONAL INST OF FOOD & AGRICULTURE	Cao, Changyong	PACKAGING	FULLY PRINTED ELECTRONICS AND ENERGY DEVICES VIA LOW-DIMENSIONAL NANOMATERIALS FOR SMART PACKAGING
67	\$20,918	INTL SAFE TRANSIT ASSOC	Daum, Matthew	PACKAGING	DATA COLLECTION – MEASURING THE EFFECT OF PACKAGED PRODUCT SIZE AND WEIGHT ON THE DROP HEIGHTS EXPERIENCED
68	\$60,798	MICHIGAN BEAN COMMISSION	Bales, Scott	PLANT SOIL AND MICROBIAL SCIENCES	FUNDS TO COVER HDRY BEAN SPECIALIST'S SALARY FOR 2020
69	\$14,835	CORN MARKETING PROGRAM OF MICHIGAN	Burns, Erin	PLANT SOIL AND MICROBIAL SCIENCES	UTILIZING EARLY MATURING CORN HYBRIDS TO MAXIMIZE COVER CROP BIOMASS, SOIL HEALTH, CORN YIELD AND SUSTAINABLE INTEGRATED WEED MANAGEMENT IN MICHIGAN
70	\$20,000	SOUTHERN ILLINOIS UNIV	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	SEEDLING DISEASES OF SOYBEAN: MANAGEMENT AND EDUCATION
71	\$288,897	NATIONAL INST OF HEALTH	Day, Brad	PLANT SOIL AND MICROBIAL SCIENCES	NUCLEOCYTOPLASMIC REGULATION OF PATHOGEN-INDUCED ACTIN DYNAMICS.

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
72	\$50,000	MICHIGAN CROP IMPROVEMENT ASSOC	Gomez, Francisco	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPING DRY BEAN CULTIVARS WITH HIGH-YIELDING, DISEASE RESISTANT, DROUGHT TOLERANT, AND HIGH CANNING QUALITY SUITABLE FOR DIRECT HARVEST IN MICHIGAN
73	\$18,036	MICHIGAN POTATO INDUSTRY COMMISSION	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	MICHIGAN POTATO RESEARCH TECHNICIAN
74	\$16,599	MICHIGAN POTATO INDUSTRY COMMISSION	Long, Christopher	PLANT SOIL AND MICROBIAL SCIENCES	MICHIGAN POTATO RESEARCH SALARY FUNDING
75	\$73,528	HOP GROWERS OF MICHIGAN	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	INTEGRATED APPROACHES TO MANAGING CONE DISEASES IN MICHIGAN HOPYARDS
76	\$99,500	MICHIGAN STATE HORTICULTURAL SOCIETY	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	MANAGING DOWNY MILDEW IN MICHIGAN VINEYARDS: INVESTIGATING ALTERNATIVE PRODUCTS, FUNGICIDE EFFICACY AND RESISTANCE LEVELS
77	\$70,258	MICHIGAN BLUEBERRY COMMISSION	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATING EFFECTIVE MANAGEMENT STRATEGIES TO CONTROL ANTHRACNOSE FRUIT ROT IN MICHIGAN BLUEBERRIES
78	\$40,000	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	THE INFLUENCE OF CLUSTER ROTS ON THE CROP QUALITY OF WINE GRAPES FROM MICHIGAN VINEYARDS
79	\$40,000	MICHIGAN CROP IMPROVEMENT ASSOC	Olson, Eric	PLANT SOIL AND MICROBIAL SCIENCES	DEVELOPMENT OF SOFT WINTER WHEAT VARIETIES FOR MICHIGAN AND THE GREAT LAKES REGION
80	\$18,153	MICHIGAN CROP IMPROVEMENT ASSOC	Pennington, Dennis	PLANT SOIL AND MICROBIAL SCIENCES	EVALUATING IMPACTS OF PLANTING DATE AND SEEDING RATE ON WHITETAIL SOFT WHITE WINTER WHEAT
81	\$8,000	PURDUE UNIV	Sprague, Christy	PLANT SOIL AND MICROBIAL SCIENCES	INTEGRATING BEST MANAGEMENT PRACTICES FOR HERBICIDE-RESISTANT WEEDS AND HERBICIDE STEWARDSHIP IN SOYBEAN PRODUCTION (FY21)
82	\$35,032	CORN MARKETING PROGRAM OF MICHIGAN	Thompson, Addie	PLANT SOIL AND MICROBIAL SCIENCES	PREDICTING AGRONOMIC PERFORMANCE IN MICHIGAN GENOMES 2 FIELDS: AN ONGOING COLLABORATION WITH NCGA
83	\$979,996	UNIVERSITY OF LISBON	Kotval-Karamchandani, Zeenat	SCHOOL OF PLANNING DES CONSTRUCTION ANR	EMOTIONAL CITIES

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
84	\$25,000	COUNCIL OF EDUCATORS IN LANDSCAPE ARCHITECTURE	Sohn, Won Min	SCHOOL OF PLANNING DES CONSTRUCTION ANR	LONGITUDINAL ASSESSMENT OF DEVELOPMENT COMPOSITION AND SPATIAL PATTERNS OF GREEN INFRASTRUCTURE FOR EFFECTIVE FLOOD CONTROL IN GROWING AND SHRINKING US METROPOLITAN AREAS
<b>COLLEGE OF ARTS AND LETTERS</b>					
85	\$299,854	NATIONAL SCIENCE FOUNDATION	O'Rourke, Michael	AL RESEARCH AND SCHOLARSHIP	EAGER: INTEGRATED TEAM SCIENCE CURRICULUM DEVELOPMENT & SUPPORT FOR THE CONVERGENCE ACCELERATOR PROGRAM
86	\$3,074,000	THE ANDREW W MELLON FOUNDATION	Phillips, Natalie	ENGLISH	CREATIVITY IN THE TIME OF COVID-19: ART AS A TOOL FOR COMBATING INEQUITY AND INJUSTICE
87	\$61,626	EVOLUTION	Albee, Mark	ENGLISH LANGUAGE CENTER	FUNDAMENTALS OF ONLINE LANGUAGE TEACHING (FOLT) COURSE FOR PAKISTANI TEACHERS
<b>ELI BROAD COLLEGE OF BUSINESS</b>					
88	\$139,889	US DEPT OF THE ARMY	Fraye, David	EXECUTIVE DEVELOPMENT PROGRAMS	ARMY WORKSPACE EXTENSION
<b>COLLEGE OF COMMUNICATION ARTS SCIENCES</b>					
89	\$7,273	SRI INTL	Besley, John	ADVERTISING AND PUBLIC RELATIONS	TO3: DEVELOP A CHAPTER ON SCIENCE AND TECHNOLOGY: PUBLIC ATTITUDES AND UNDERSTANDING FOR SCIENCE AND ENGINEERING INDICATORS - 2018
90	\$21,450	CAPITAL AREA UNITED WAY INC	Elkins, Susanne	BROADCASTING SERVICES	ENGAGING FAMILIES IN EARLY LITERACY
91	\$15,000	PUBLIC BROADCASTING SERVICE	Elkins, Susanne	BROADCASTING SERVICES	PBS AMERICAN PORTRAIT
92	\$55,179	DIGIDENCE	Turner, Monique	COMMUNICATION	ONCOENGAGE: A NOVEL SYSTEM TO IMPROVE CANCER CLINICAL TRIAL RECRUITMENT AND RETENTION
93	\$200,000	ANHEUSER BUSCH FOUNDATION	Martell, Dennis	COMMUNICATION ARTS AND SCIENCES DEAN	NATIONAL SOCIAL NORMS CENTER
94	\$39,999	US DEPT OF STATE	Freedman, Eric	JOURNALISM	BUILDING JOURNALISTIC CAPACITY TO REPORT ON ENVIRONMENTAL, SCIENCE, HEALTH AND RISK ISSUES
95	\$50,000	COMMUNITY FOUNDATION FOR SOUTHEAST MICHIGAN	Steele, Jeremy	JOURNALISM	DEVELOPING SOUTHEAST MICHIGAN YOUTH VOICES THROUGH JOURNALISM
96	\$99,999	FACEBOOK INC	Bauer, Johannes	MEDIA AND INFORMATION	MODELING AND MEASURING THE ECONOMIC IMPACTS OF DIGITAL PLATFORM INNOVATION

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
97	\$106,761	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>					
98	\$235,526	MICHIGAN CORRECTIONS	Beverly, Bryan	CED OUTREACH	PROFESSIONAL DEVELOPMENT SUPPORT TO THE MDOC EDUCATORS
99	\$20,930	WESTERN MICHIGAN UNIV	Beverly, Bryan	CED OUTREACH	WESTERN MICHIGAN UNIVERSITY HIL PROJECT: HIGH-IMPACT LEADERSHIP FOR SCHOOL RENEWAL
100	\$14,078	SPENCER FOUNDATION	Bouck, Emily	COUNSELING, EDUC PSYCH & SPEC EDUC	MAKING KNOWLEDGE OF RTI FOR MATHEMATICS AT THE SECONDARY LEVEL MORE EXPLICIT
101	\$140,000	MICHIGAN DEPT OF HUMAN SERVICES	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	INFANT AND EARLY CHILDHOOD MENTAL HEALTH CONSULTATION EVALUATION (ECMHC)
102	\$277,958	MICHIGAN STATE POLICE	Carlson, John	COUNSELING, EDUC PSYCH & SPEC EDUC	STOP SCHOOL VIOLENCE
103	\$44,775	UNIVERSITY OF WISCONSIN STOUT	Leahy, Michael	COUNSELING, EDUC PSYCH & SPEC EDUC	VOCATIONAL REHABILITATION TECHNICAL ASSISTANCE CENTER-PROGRAM EVALUATION AND QUALITY ASSURANCE (VRTAC-PEQA)
104	\$192,881	US DEPT OF EDUCATION	Lee, Ka Lai	COUNSELING, EDUC PSYCH & SPEC EDUC	MICHIGAN STATE UNIVERSITY MASTERS OF ARTS REHABILITATION COUNSELING PROGRAM
105	\$27,037	MICHIGAN REHABILITATION SERVICES	Sung, Connie	COUNSELING, EDUC PSYCH & SPEC EDUC	MSU CEPSE - MRS LANSING DISTRICT ICTA AGREEMENT #1213
106	\$90,000	NATIONAL OFFICE OF CHINESE LANGUAGE COUNCIL INTL HAN BAN	Zhao, Yong	COUNSELING, EDUC PSYCH & SPEC EDUC	ESTABLISHMENT OF THE CONFUCIUS INSTITUTE AT MICHIGAN STATE UNIVERSITY
107	\$245,000	DETROIT PUBLIC SCHOOLS	Reimann, Christopher	CREATE FOR STEM	DETROIT PS PROFESSIONAL DEVELOPMENT
108	\$14,286	VARIOUS SCHOOLS	Markle, Barbara	EDUCATION DEAN	K-12 SCHOOL IMPROVEMENT TRAINING
109	\$5,926	GREAT LAKES ATHLETIC TRAINERS ASSOC	Baez, Shelby	KINESIOLOGY - ED	KEEPING THE MIND IN MIND: USE OF VIRTUAL REALITY MINDFULNESS MEDITATION TO IMPROVE OUTCOMES IN PATIENTS AFTER ACL RECONSTRUCTION
110	\$22,613	NIKE INC	Kuenze, Christopher	KINESIOLOGY - ED	PRODUCTS AND SERVICES {NIKE TECHNOLOGIES AND MATERIALS} NIKE2 - SPRING 2021 GRA FUNDING
<b>COLLEGE OF ENGINEERING</b>					

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
111	\$16,719	NANOMAG LLC	Hickey, David	CHEMICAL ENGINEERING AND MATERIALS SCI	COMMERCIALIZATION READINESS PROGRAM (CRP) FOR BIOABSORBABLE MAGNESIUM (MG) IMPLANTS FOR CRANIOMAXILLOFACIAL SURGICAL SYSTEMS
112	\$35,000	HORTICULTURAL RESEARCH INST	Lunt, Richard	CHEMICAL ENGINEERING AND MATERIALS SCI	TRANSPARENT SOLAR CELL DESIGN FOR GREENHOUSES
113	\$121,530	UNIVERSITY OF MARYLAND	Mendoza Cortes, Jose	CHEMICAL ENGINEERING AND MATERIALS SCI	CENTER FOR ENGINEERING CONCEPTS DEVELOPMENT - MACHINE LEARNING (ML) TECHNIQUES FOR FORCE FIELDS
114	\$77,188	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
115	\$71,992	PENNSYLVANIA STATE UNIV	Narayan, Ramani	CHEMICAL ENGINEERING AND MATERIALS SCI	PROCESSING STARCH FOAM MATERIALS
116	\$65,000	NATIONAL SCIENCE FOUNDATION	Nicholas, Jason	CHEMICAL ENGINEERING AND MATERIALS SCI	COLLABORATIVE: EAGER: DEMONSTRATION THAT THIN FILM PHASE TRANSFORMATIONS CAN BE MONITORED AT HIGH-TEMPERATURE AND HIGH-PRESSURE IN A DIAMOND ANVIL CELL
117	\$435,911	NATIONAL SCIENCE FOUNDATION	Anctil, Annick	CIVIL AND ENVIRONMENTAL ENGINEERING	CAREER: ENVIRONMENTAL SUSTAINABILITY OF PHOTOVOLTAICS IN THE US
118	\$62,900	NATIONAL SCIENCE FOUNDATION	Cetin, Bora	CIVIL AND ENVIRONMENTAL ENGINEERING	COLLABORATIVE RESEARCH: ENGINEERED WATER REPELLENCY TO MITIGATE FROST SUSCEPTIBILITY: DECOUPLING OSMOTIC AND MATRIC POTENTIAL
119	\$167,897	IOWA STATE UNIV	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	2016 WORK ZONE SAFETY TRAINING GRANT
120	\$118,998	MICHIGAN OFFICE OF HIGHWAY SAFETY PLANNING	Gates, Timothy	CIVIL AND ENVIRONMENTAL ENGINEERING	SEAT BELT AND HAND-HELD DEVICE USE DIRECT OBSERVATION SURVEY - FY21
121	\$160,573	MICHIGAN DEPT OF TRANSPORTATION	Zockaie, Ali	CIVIL AND ENVIRONMENTAL ENGINEERING	DETERMINING STATE AND FEDERAL TRANSPORTATION RESPONSIBILITIES TO RESIDENTS ON ISLANDS
122	\$100,000	LOS ALAMOS NATL LABORATORY	Ravishankar, Saiprasad	COMPUTATIONAL MATH SCI AND ENGR EGR	METHODS FOR INVERSE PROBLEMS: MODELS, ALGORITHMS, MACHINE LEARNING, AND THEORY
123	\$375,000	NATIONAL SCIENCE FOUNDATION	Bonakdarpour, Borzoo	COMPUTER SCIENCE AND ENGINEERING	FMITF: COLLABORATIVE RESEARCH: TRACK I: FORMAL TECHNIQUES FOR MONITORING LOW-LEVEL CROSS-CHAIN FUNCTIONS

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
124	\$65,236	CSAA INSURANCE EXCHANGE	Ghassemi, Mohammad	COMPUTER SCIENCE AND ENGINEERING	IDENTIFICATION OF BEHAVIORAL RISK PROFILES VIA INVERSE REINFORCEMENT LEARNING
125	\$25,000	ZKTECO INC	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	RESEARCH GIFT
126	\$50,000	NEC CORP OF AMERICA	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	GIFT FROM NEC
127	\$100,000	OFFICE OF NAVAL RESEARCH	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	DEEP LEARNING: INTEGRATING DOMAIN KNOWLEDGE AND INTERPRETING THE NETWORK DECISIONS
128	\$50,000	WEST VIRGINIA UNIV	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	HOMOMORPHICALLY ENCRYPTED MATCHING AND SEARCH, 20S-04M-SP
129	\$50,000	WEST VIRGINIA UNIV	Liu, Xiaoming	COMPUTER SCIENCE AND ENGINEERING	ON THE UNIQUENESS OF FACIAL IDENTITY
130	\$50,000	WEST VIRGINIA UNIV	Ross, Arun	COMPUTER SCIENCE AND ENGINEERING	DETECTING DEEPPFAKE VIDEOS BY ANALYZING BOTH AUDIO AND VISUAL CUES
131	\$10,000	SNAP INC	Tang, Jiliang	COMPUTER SCIENCE AND ENGINEERING	GRAPH REWRITER
132	\$99,907	NATIONAL SCIENCE FOUNDATION	Zeng, Huacheng	COMPUTER SCIENCE AND ENGINEERING	CAREER: MIMO-BASED BLIND INTERFERENCE CANCELLATION FOR WIRELESS NETWORKING
133	\$123,304	NATIONAL SCIENCE FOUNDATION	Zeng, Huacheng	COMPUTER SCIENCE AND ENGINEERING	NETS: SMALL: COLLABORATIVE RESEARCH: COOPERATIVE INTERFERENCE-EMBRACING COMMUNICATION IN MULTI-HOP WIRELESS NETWORKS
134	\$275,000	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	Albrecht, John	ELECTRICAL AND COMPUTER ENGINEERING	BEAM-WAVE INTERACTION STRUCTURES FOR THZ GAN HIGH POWER AMPLIFIERS
135	\$158,400	CON EDISON	Deng, Yiming	ELECTRICAL AND COMPUTER ENGINEERING	DEVELOPMENT OF MULTI-MODAL ELECTROMAGNETIC NDE METHODS FOR CFRP COMPOSITE WRAP ON CABLE PIPES - PHASE 2
136	\$138,000	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

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
137	\$125,000	OFFICE OF NAVAL RESEARCH	Foster, Shanelle	ELECTRICAL AND COMPUTER ENGINEERING	3D PRINTING OF MAGNETIC CORES FOR ELECTRICAL MOTORS
138	\$410,057	NATIONAL SCIENCE FOUNDATION	Foster, Shanelle	ELECTRICAL AND COMPUTER ENGINEERING	CAREER:AN INCLUSIVE APPROACH TO DIVERSITY INSPIRED DESIGN OF NOVEL 3D PRINTED ELECTRICAL MOTORS
139	\$201,240	ARIZONA STATE UNIV	Grotjohn, Timothy	ELECTRICAL AND COMPUTER ENGINEERING	ULTRA MATERIALS FOR A RESILIENT, SMART ELECTRICITY GRID
140	\$13,362	AXALUME INC	Han, Ming	ELECTRICAL AND COMPUTER ENGINEERING	INTEGRATED SILICON EXTERNAL-CAVITY TUNABLE (ISET) LASER
141	\$230,000	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	Nanzer, Jeffrey	ELECTRICAL AND COMPUTER ENGINEERING	KNOWLEDGE-ENHANCED MICROWAVE BEAMFORMING FOR THERMAL ABLATION OF TUMORS
142	\$340,000	HONEYWELL CORP	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	MSU RADAR CONSORTIUM
143	\$70,000	SANDIA NATIONAL LABORATORIES	Papapolymerou, Ioannis	ELECTRICAL AND COMPUTER ENGINEERING	KU-BAND GALLIUM NITRIDE RF CIRCUIT DEVELOPMENT
144	\$139,803	SEMICONDUCTOR RESEARCH CORP	Radha, Hayder	ELECTRICAL AND COMPUTER ENGINEERING	MULTISTAGE ADAPTIVE FUSION AND 4D JOINT DETECTION-AND-TRACKING FOR AUTONOMOUS VEHICLES
145	\$135,000	ELECTRIC POWER RESEARCH INST	Udpa, Lalita	ELECTRICAL AND COMPUTER ENGINEERING	SIMULATION MODEL FOR EDDY CURRENT SC TUBE INSPECTION
146	\$24,000	RAYTHEON CO	Yoo, Sangmin	ELECTRICAL AND COMPUTER ENGINEERING	ULTRA-WIDEBAND PHASED ARRAY TRANSCEIVER IN SOI CMOS
147	\$170,000	OFFICE OF NAVAL RESEARCH	Zhang, Peng	ELECTRICAL AND COMPUTER ENGINEERING	MULTI-FREQUENCY HIGH POWER MICROWAVE GENERATION AND AMPLIFICATION VIA OPTICALLY GATED ELECTRON BEAMS
148	\$432,037	NATIONAL INST OF HEALTH	Aguirre, Aitor	INSTITUTE FOR QUANTITATIVE HEALTH	OXYLIPIN SIGNALING IN CONGENITAL HEART DISEASE
149	\$621,455	NATIONAL INST OF HEALTH	Li, Wen	INSTITUTE FOR QUANTITATIVE HEALTH	MICROFABRICATED ALL-DIAMOND MICROELECTRODE ARRAYS FOR NEUROTRANSMITTER SENSING AND EXTRACELLULAR RECORDING



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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
150	\$372,599	NATIONAL INST OF HEALTH	Purcell, Erin	INSTITUTE FOR QUANTITATIVE HEALTH	STRUCTURAL AND FUNCTIONAL PLASTICITY SURROUNDING IMPLANTED NEUROPROSTHESES
151	\$441,126	NATIONAL INST OF HEALTH	Spence, Dana	INSTITUTE FOR QUANTITATIVE HEALTH	FROM SINGLE MOLECULE TO MICROFLUIDIC 3D TISSUE PLATFORMS: NOVEL MULTISCALE TOOLS TO INVESTIGATE HYPER-STIMULATED IMMUNE CELLS IN THE CIRCULATION
152	\$59,999	NATIONAL SCIENCE FOUNDATION	Grimm, Michele	MECHANICAL ENGINEERING	EAGER: ADVANCEMENT OF COMPUTATIONAL MODELING TO UNDERSTAND MECHANISMS OF NEONATAL BRACHIAL PLEXUS INJURY
153	\$40,092	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Koochesfahani, Manoochehr	MECHANICAL ENGINEERING	ZBOT-2 THERMOMETRY DIAGNOSTICS DEVELOPMENT
154	\$50,000	FORD MOTOR CO	Li, Zhaojian	MECHANICAL ENGINEERING	000158-MSU
155	\$35,000	UNIVERSITY OF MASSACHUSETTS DARTMOUTH	Mukherjee, Ranjan	MECHANICAL ENGINEERING	ADVANCES IN UNDERWATER MARINE TECHNOLOGY: NEW SOLUTIONS TO BIOFOULING
156	\$111,300	BROWN UNIV	Zayernouri, Mohsen	MECHANICAL ENGINEERING	FRACTIONAL PDES FOR CONSERVATION LAWS AND BEYOND: THEORY, NUMERICS AND APPLICATIONS
157	\$221,459	MAGNA SERVICES OF AMERICA INC	Zhu, Guoming	MECHANICAL ENGINEERING	CONNECTIVITY-BASED REAL-TIME CO-OPTIMIZATION OF ELECTRICAL VEHICLE ROUTE AND SPEED FOR IMPROVED ENERGY CONSUMPTION
<b>COLLEGE OF HUMAN MEDICINE</b>					
158	\$35,400	SHAPE OF FUTURE THINGS TO COME INC	Custack, Amy	CHM FLINT	FLINT FAMILIES COOK: A VIRTUAL COOKING CLASS FOR FAMILIES
159	\$48,557	COMMUNITY FOUNDATION OF GREATER FLINT	Furr-Holden, Debra	CHM FLINT	DATA-DRIVEN PUBLIC HEALTH STRATEGIES AND POLICIES TO MITIGATE COVID-19 DISPARITIES IN FLINT AND GENESEE COUNTY
160	\$75,125	GREATER FLINT HEALTH COALITION	Furr-Holden, Debra	CHM FLINT	COMMUNITY-BASED APPROACHES TO STRENGTHENING ECONOMIC SUPPORTS FOR WORKING FAMILIES (CASES)
161	\$621,912	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
162	\$400,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Ondersma, Steven	CHM FLINT	MICHIGAN STATE OPIOID RESPONSE 2 PROJECT
163	\$97,210	CITY OF FLINT	Sadler, Richard	CHM FLINT	FLINT RECAST
164	\$125,000	MERCY HEALTH SAINT MARYS	Dwyer, Jeffrey	CHM WEST MICHIGAN	MSU-ST. MARY'S TRANSLATIONAL MEDICINE IN GRAND RAPIDS
165	\$1,959,592	ALLIANCE CORP	Holmes, Denise	CHM WEST MICHIGAN	MSU-ALLIANCE TRANSLATIONAL HEALTH RESEARCH IN GRAND RAPIDS

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
166	\$1,094,292	NATIONAL INST OF HEALTH	Chen, Honglei	EPIDEMIOLOGY AND BIOSTATISTICS	PESTICIDES, OLFACTION, AND NEURODEGENERATION AMONG US FARMERS
167	\$19,295	UNIVERSITY OF FLORIDA	Li, Chenxi	EPIDEMIOLOGY AND BIOSTATISTICS	METHODS AND SOFTWARE FOR HIGH-DIMENSIONAL RISK PREDICTION RESEARCH
168	\$41,273	UNIVERSITY OF CENTRAL FLORIDA	Misra, Dawn	EPIDEMIOLOGY AND BIOSTATISTICS	SOCIAL STRESSORS AND INFLAMMATION: A MIXED METHODS APPROACH TO PRETERM BIRTH
169	\$25,000	UNIVERSITY OF MICHIGAN	Paneth, Nigel	EPIDEMIOLOGY AND BIOSTATISTICS	ECHO INITIATIVE YEAR 4
170	\$76,611	TAKEDA PHARMACEUTICAL CO LTD	Paneth, Nigel	EPIDEMIOLOGY AND BIOSTATISTICS	COVID-19 FOLLOW-UP
171	\$83,333	UNIVERSITY OF WISCONSIN	de los Campos, Gustavo	EPIDEMIOLOGY AND BIOSTATISTICS	MAIZE RESILIENT TO TRANSIENT AND LONG-TERM DROUGHT
172	\$45,461	CEDARS SINAI HEALTH SYSTEM	Alessio, Adam	INSTITUTE FOR QUANTITATIVE HEALTH	INTEGRATED ANALYSIS OF CORONARY ANATOMY AND BIOLOGY USING 18F-FLUORIDE PET AND CT ANGIOGRAPHY
173	\$150,000	FORD MOTOR CO	Etchebarne, Brett	INSTITUTE FOR QUANTITATIVE HEALTH	HIGH-THROUGHPUT COVID-19 TESTING AT FORD FACILITIES
174	\$66,390	NATIONAL INST OF HEALTH	Fazleabas, Asgerally	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	BIOLOGICAL ROLES OF FORKHEAD BOX C1 IN PELVIC ENDOMETRIOSIS
175	\$352,125	ERASCA INC	MacKeigan, Jeffrey	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	DEVELOPMENT OF TUMOR PHARMACODYNAMIC MARKERS
176	\$38,559	SPECTRUM HEALTH SYSTEM	Roman, Leeanne	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	STRONG BEGINNINGS - COVID RAPID RESPONSE INITIATIVE
177	\$84,480	NATIONAL CANCER INST	Vaughan, Robert	PEDIATRICS AND HUMAN DEVELOPMENT	CHARACTERIZING GENETIC MODIFIERS IN TUMOR BURDEN OF TUBEROUS SCLEROSIS COMPLEX
178	\$249,000	NATIONAL INST OF MENTAL HEALTH	Williams, Michael	PEDIATRICS AND HUMAN DEVELOPMENT	THE ROLE OF KIT SIGNALING IN CEREBELLAR DEVELOPMENT
179	\$14,735	DIGNITY HEALTH - ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	Galligan, James	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	ALPHA-SYNUCLEIN AGGREGATION DISRUPTS MOTILITY, SYNAPTIC TRANSMISSION, AND CALCIUM SIGNALING IN THE MYENTERIC PLEXUS OF THE RAT COLON

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
180	\$383,367	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
181	\$162,776	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY21 INTEGRATED CARE ASSESSMENT
182	\$196,623	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Brooks, Kevin	THE INSTITUTE FOR HEALTH POLICY	FY21 TRANSLATING EVIDENCE INTO DEMONSTRATIONS
183	\$19,415	MICHIGAN PUBLIC HEALTH INST	Oberst, Kathleen	THE INSTITUTE FOR HEALTH POLICY	ASSESSING HOSPITAL AND HEALTH SYSTEMS TO PROMOTE EQUITY
184	\$35,267	NATIONAL INST OF HEALTH	Collier, Kathy	TRANSLATIONAL NEUROSCIENCE	IMPACT OF DYSFUNCTIONAL BDNF ON DOPAMINE TERMINAL REMODELING IN THE PARKINSONIAN STRIATUM
185	\$519,343	NATIONAL INST OF HEALTH	Counts, Scott	TRANSLATIONAL NEUROSCIENCE	CENTRAL NORADRENERGIC MECHANISMS OF CEREBROVASCULAR PATHOLOGY IN ALZHEIMER'S DISEASE
186	\$6,942	COLUMBIA UNIV	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	THE ROLE OF SUMOYLATION IN TAU-MEDIATED PATHOLOGY
187	\$52,702	NATIONAL INST OF HEALTH	Kanaan, Nicholas	TRANSLATIONAL NEUROSCIENCE	TAU-MEDIATED REGULATION AND DYSREGULATION OF PROTEIN PHOSPHATASE 1
188	\$148,540	MICHAEL J FOX FOUNDATION	Sortwell, Caryl	TRANSLATIONAL NEUROSCIENCE	TM9SF2 KNOCKDOWN TO DECREASE PATHOLOGICAL ALPHA- SYNUCLEIN-INDUCED DEGENERATION
<b>COLLEGE OF MUSIC</b>					
189	\$70,000	CHILDRENS HOSPITAL OF MICHIGAN FOUNDATION	Woodward, Jill	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>					
190	\$110,750	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Schmoll, Shannon	ABRAMS PLANETARIUM	"WORLD BUILDING ON MARS" EDUCATIONAL PROGRAM FOR MIDDLE SCHOOL STUDENTS
191	\$377,367	NATIONAL INST OF HEALTH	Feig, Michael	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	MODELING AND DYNAMICS OF BIOMOLECULES ON CELLULAR SCALES
192	\$1,220,897	NATIONAL SCIENCE FOUNDATION	Grotewold, Erich	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	RESEARCH-PGR: ELUCIDATING MAIZE GENE REGULATORY NETWORKS TO ACCELERATE TRANSLATIONAL GENOMICS
193	\$600,000	NATIONAL SCIENCE FOUNDATION	Hsu, Polly	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	TRANSLATIONAL REGULATION AND NOVEL TRANSLATED SMALL ORFS IN ARABIDOPSIS ABA RESPONSES

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
194	\$69,628	UNIVERSITY OF MEMPHIS	Jones III, Arthur	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	EFFECT OF PRENATAL COMPOUNDS ON ADULT LUNG FUNCTION VIA NEONATAL DNA METHYLATION
195	\$319,359	NATIONAL INST OF HEALTH	Kroos, Lee	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	INTRAMEMBRANE-CLEAVING METALLOPROTEASES OF BACILLUS SUBTILIS
196	\$427,676	NATIONAL INST OF HEALTH	Kuo, Min	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	HYPERPHOSPHORYLATED TAU AGGREGATION-BASED ALZHEIMER'S DISEASE EARLY DRUG DISCOVERY
197	\$589,299	NATIONAL SCIENCE FOUNDATION	Lundquist, Peter	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	MOLECULAR MECHANISMS OF PROTEIN ASSOCIATION WITH PLASTOGLOBULE LIPID DROPLETS
198	\$305,150	NATIONAL INST OF HEALTH	Martinez Hackert, Erik	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	TGF- SIGNALING AND REGULATION: ELUCIDATING MOLECULAR MECHANISMS AND PATHOGENIC FUNCTIONS OF THE 'CO-RECEPTOR' CRIPTO-1 AND THE RECEPTOR BMPRII
199	\$448,088	NATIONAL INST OF HEALTH	Zacharewski, Timothy	BIOCHEMISTRY MOLECULAR BIOLOGY CNS	AHR-DEPENDENT PKM2 REGULATION IN NAFLD PROGRESSION
200	\$103,361	OFFICE OF NAVAL RESEARCH	Harel, Elad	CHEMISTRY	ULTRASENSITIVE AND RAPID MULTI-DIMENSIONAL SPECTRAL SENSING AT STANDOFF DISTANCES BY NON-UNIFORM SAMPLING AND STATISTICAL RECONSTRUCTION
201	\$100,000	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	ENGINEERING BACTERIOPHAGE Q CONJUGATES WITH TUMOR ASSOCIATED CARBOHYDRATE ANTIGENS AS MULTI-COMPONENT ANTI-CANCER VACCINES
202	\$320,341	NATIONAL INST OF HEALTH	Huang, Xuefei	CHEMISTRY	ENABLING SYNTHESIS AND BIOLOGICAL STUDIES OF HOMOGENEOUS HEPARAN SULFATE AND CHONDROITIN SULFATE GLYCO-POLYPEPTIDES AND PROTEOGLYCANS
203	\$138,828	US DEPT OF ENERGY	Piecuch, Piotr	CHEMISTRY	NEW SINGLE- AND MULTI-REFERENCE COUPLED-CLUSTER METHODS FOR HIGH ACCURACY CALCULATIONS OF GROUND AND EXCITED STATES
204	\$199,943	US DEPT OF ENERGY	Severin, Gregory	CHEMISTRY	AQUEOUS-PHASE ISOTOPE HARVESTING TO MANUFACTURE RADIOACTIVE TARGETS FOR NEUTRON-REACTION STUDIES
205	\$401,634	NATIONAL INST OF HEALTH	Sun, Liangliang	CHEMISTRY	QUANTITATIVE TOP-DOWN PROTEOMICS OF HUMAN COLORECTAL CANCER CELLS AND TUMORS
206	\$50,000	AGILENT TECHNOLOGIES	Sun, Liangliang	CHEMISTRY	ELECTROPHORETIC MOBILITY PREDICTION ASSISTED CAPILLARY ELECTROPHORESIS-MASS SPECTROMETRY WITH ELECTRON CAPTURE DISSOCIATION FOR TOP-DOWN PROTEOMICS OF HISTONES
207	\$17,862	NATIONAL INST OF HEALTH	Tepe, Jetze	CHEMISTRY	SMALL MOLECULE INDUCED PROTEOLYTIC DESTRUCTION OF INTRINSICALLY DISORDERED PROTEINS

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
208	\$96,000	OHIO STATE UNIV	Wilson, Angela	CHEMISTRY	NSF CONVERGENCE ACCELERATOR- TRACK C: QUSTEAM: CONVERGENT UNDERGRADUATE EDUCATION IN QUANTUM SCIENCE, TECHNOLOGY, ENGINEERING, ARTS, AND MATHEMATICS
209	\$50,000	LAWRENCE LIVERMORE NATIONAL LABORATORY	Appelo, Daniel	COMPUTATIONAL MATH SCI AND ENGR CNS	TEAM: OPTIMIZING THE QUANTUM COMPILER FOR NOISE RESILIENCE
210	\$110,000	BROOKHAVEN NATIONAL LABORATORY	Bazavov, Alexei	COMPUTATIONAL MATH SCI AND ENGR CNS	COMPUTING THE PROPERTIES OF MATTER WITH LEADERSHIP COMPUTING RESOURCES
211	\$40,000	PACIFIC NORTHWEST NATIONAL LABORATORY	Lei, Huan	COMPUTATIONAL MATH SCI AND ENGR CNS	IMPROVING ACCURACY THROUGH TIGHTER COUPLING BETWEEN ATMOSPHERIC PROCESSES
212	\$41,263	CORN MARKETING PROGRAM OF MICHIGAN	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	FROM PRESCRIPTION MAPS TO CARBON CREDITS: A NEW OPPORTUNITY FOR MICHIGAN CORN GROWERS
213	\$2,571,064	USDA-NATURAL RESOURCES CONSERVATION SERVICE	Basso, Bruno	EARTH AND ENVIRONMENTAL SCIENCES	DIGITAL AGRICULTURE TO ENHANCE THE SUSTAINABILITY OF US CROPPING SYSTEMS
214	\$135,262	NATIONAL SCIENCE FOUNDATION	Dorfman, Susannah	EARTH AND ENVIRONMENTAL SCIENCES	CAREER: EXPERIMENTAL CONSTRAINTS ON CARBON-IRON REDOX INTERACTION IN EARTH'S DEEP LOWER MANTLE
215	\$33,000	AIR FORCE RESEARCH LABORATORY	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	GROUND TRUTH CHARACTERIZATION AND SEISMOLOGICAL STUDIES OF NORTHERN ASIA
216	\$1,900,000	US DEPT OF STATE	Mackey, Kevin	EARTH AND ENVIRONMENTAL SCIENCES	AVC/OAS SEISMIC CALIBRATION EXPERIMENT IN GEORGIA
217	\$31,945	NATIONAL SCIENCE FOUNDATION	Schrenk, Matthew	EARTH AND ENVIRONMENTAL SCIENCES	GP-GO: BUILDING LATINX PATHWAYS INTO GEOSCIENCE GRADUATE EDUCATION THROUGH R1-HSI-NONPROFIT COLLABORATIONS
218	\$167,304	UNIVERSITY OF OREGON	Braasch, Ingo	INTEGRATIVE BIOLOGY	RESOURCES FOR TELEOST GENE DUPLICATES AND HUMAN DISEASE
219	\$140,000	HUMAN FRONTIER SCIENCE PROGRAM	Holekamp, Kay	INTEGRATIVE BIOLOGY	COMMUNICATION AND THE COORDINATION OF COLLECTIVE BEHAVIOR ACROSS SPATIAL SCALES IN ANIMAL SOCIETIES
220	\$12,710	UNIVERSITY OF MINNESOTA	Evans, Sarah	KELLOGG BIOLOGICAL STATION NAT SCI	EXPLORING HOW FARMERS' PERCEPTIONS OF SOIL HEALTH AFFECT THEIR MANAGEMENT DECISIONS

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
221	\$1,127,000	NATIONAL SCIENCE FOUNDATION	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	LTER: MECHANISMS OF RESILIENCE IN AGRICULTURAL LANDSCAPES
222	\$31,500	WILBURFORCE FOUNDATION	Haddad, Nicholas	KELLOGG BIOLOGICAL STATION NAT SCI	VISION FOR CONSERVATIONCORRIDOR.ORG, 2021-2022
223	\$250,000	NATIONAL SCIENCE FOUNDATION	Pappas, Georgios	MATHEMATICS	SHIMURA VARIETIES, P-ADIC SHTUKAS, AND LOCAL SYSTEMS
224	\$98,000	BRISTOL MYERS SQUIBB	Wei, Guowei	MATHEMATICS	VIRTUAL PATIENT SIMULATION AND ALAYSIS FOR BMS' HEART FAILURE MODEL AND PREDICTION OF FPR2 AGONIST EFFICACY
225	\$8,400	SIMONS FOUNDATION	Wong, Willie	MATHEMATICS	GEOMETRIC ANALYSIS OF THE LONG TIME BEHAVIOR OF EVOLUTION EQUATIONS
226	\$230,979	NATIONAL INST OF HEALTH	Abramovitch, Robert	MICROBIOLOGY MOLECULAR GENETICS CNS	DEVELOPMENT OF NEW M. TUBERCULOSIS MMPL3 INHIBITORS
227	\$24,454	NATIONAL INST OF HEALTH	Crosson, Sean	MICROBIOLOGY MOLECULAR GENETICS CNS	MOLECULAR MECHANISMS CONTROLLING STRESS RESPONSES AND CELL ADHESION IN BACTERIA
228	\$513,240	NATIONAL INST OF HEALTH	Hammer, Neal	MICROBIOLOGY MOLECULAR GENETICS CNS	ELUCIDATING STRATEGIES OF STAPHYLOCOCCUS AUREUS NUTRIENT SULFUR ACQUISITION DURING INFECTION
229	\$6,000	NATIONAL SCIENCE FOUNDATION	Shade, Ashley	MICROBIOLOGY MOLECULAR GENETICS CNS	RESUSCITATION AND ASSEMBLY OF THE RHIZOSPHERE MICROBIOME IN RESPONSE TO PLANT STRESS
230	\$593,733	NATIONAL INST OF HEALTH	Waters, Christopher	MICROBIOLOGY MOLECULAR GENETICS CNS	THE CONTRIBUTION OF NOVEL CYTIDINE DEAMINASE REGULATORY SYSTEMS TO BACTERIAL EVOLUTION
231	\$27,704	NATIONAL INST OF HEALTH	Atchison, William	NEUROSCIENCE PROGRAM	MICHIGAN STATE UNIVERSITY PREP: INCREASING UNDERREPRESENTED MINORITY REPRESENTATION IN BIOMEDICAL SCIENCES
232	\$180,000	US DEPT OF ENERGY	Berz, Martin	PHYSICS ASTRONOMY	ADVANCED TRANSFER MAP METHODS FOR PARTICLE BEAM DYNAMICS: THEORY, APPLICATIONS, AND EDUCATION
233	\$58,149	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Donahue, Megan	PHYSICS ASTRONOMY	HOT GAS IN LOW REDSHIFT, MASSIVE OVI+LY-ALPHA ABSORPTION-LINE SYSTEMS
234	\$151,554	COLUMBIA UNIV	Fisher, Wade	PHYSICS ASTRONOMY	LHC HIGH LUMINOSITY WBS 6.08.03.01 TRIGGER FRAMEWORK - MREFC - MSU
235	\$76,082	COLUMBIA UNIV	Fisher, Wade	PHYSICS ASTRONOMY	LHC HIGH LUMINOSITY WBS 6.08.03.02 TRIGGER CLUSTERING ALGORITHM - MREFC - MSU

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
236	\$193,683	NATIONAL SCIENCE FOUNDATION	Grant, Darren	PHYSICS ASTRONOMY	NSF IPA AGREEMENT FOR DARREN GRANT
237	\$74,495	COLUMBIA UNIV	Huston, Joey	PHYSICS ASTRONOMY	MREFC: US ATLAS HL-LHC UPGRADE PROJECT
238	\$210,000	US DEPT OF ENERGY	Mahn, Kendall	PHYSICS ASTRONOMY	IMPROVED NEUTRINO OSCILLATION MEASUREMENTS USING MULTIPLE NEUTRINO ENERGY SPECTRA
239	\$24,000	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Rodriguez, Joseph	PHYSICS ASTRONOMY	MULTIPLE EARTH-SIZED HABITABLE ZONE PLANETS IN TOI-700?
240	\$209,000	NIOWAVE INC	Ruan, Chong-Yu	PHYSICS ASTRONOMY	ULTRAFAST ELECTRON MICROSCOPY MODULE TO UPGRADE EXISTING COMMERCIAL ELECTRON MICROSCOPES
241	\$80,242	UNIVERSITY OF CALIFORNIA BERKELEY	Whitehorn, Nathan	PHYSICS ASTRONOMY	COLLABORATIVE RESEARCH: ELEMENTS: SOFTWARE: NSCI; HDR: BUILDING AN HPC/HTC INFRASTRUCTURE FOR THE SYNTHESIS AND ANALYSIS OF CURRENT AND FUTURE COSMIC MICROWAVE BACKGROUND DATASETS
242	\$10,265	SPACE TELESCOPE SCIENCE INST	Zepf, Stephen	PHYSICS ASTRONOMY	FAR-ULTRAVIOLET INSIGHTS INTO MULTIPLE POPULATIONS IN EXTRAGALACTIC GLOBULAR CLUSTERS
243	\$133,627	UNIVERSITY OF ALABAMA AT BIRMINGHAM	Busik, Julia	PHYSIOLOGY NATURAL SCIENCE	CHOLESTEROL HOMEOSTASIS IN PATHOGENESIS OF DR
244	\$58,250	CROHNS & COLITIS FOUNDATION OF AMERICA	Grubisic, Vladimir	PHYSIOLOGY NATURAL SCIENCE	THE ROLE OF ENTEROGLIAL ADENOSINE A2B RECEPTORS IN FUNCTIONAL RECOVERY AFTER COLITIS
245	\$403,740	NATIONAL INST OF HEALTH	Gulbransen, Brian	PHYSIOLOGY NATURAL SCIENCE	ENTERIC GLIA AND VISCERAL PAIN
246	\$410,192	NATIONAL INST OF HEALTH	Leinninger, Gina	PHYSIOLOGY NATURAL SCIENCE	ROLE OF LATERAL HYPOTHALAMIC NEUROTENSIN NEURONS IN ENERGY BALANCE
247	\$116,507	UNIVERSITY OF TEXAS MEDICAL BRANCH	Robison, Alfred	PHYSIOLOGY NATURAL SCIENCE	SMALL MOLECULE MODULATORS OF ΔFOSB FUNCTION
248	\$446,549	NATIONAL INST OF HEALTH	Wang, Hongbing	PHYSIOLOGY NATURAL SCIENCE	NONCONVENTIONAL ROLE OF ADCY IN GQ-MEDIATED NEURONAL SIGNALING AND NEUROPLASTICITY
249	\$155,000	US ISRAEL BINATIONAL AG RSCH DEV FUND	Jiang, Jiming	PLANT BIOLOGY CNS	COLD INDUCED SWEETENING AS A TRIGGER FOR ENDODORMANCY RELEASE OF POTATO SEED TUBERS
250	\$18,810	FIELD MUSEUM	Prather, Alan	PLANT BIOLOGY CNS	DIGITIZATION TCN: COLLABORATIVE RESEARCH: BUILDING A GLOBAL CONSORTIUM OF BRYOPHYTES AND LICHENS: KEYSTONES OF CRYPTOBOTIC COMMUNITIES
251	\$848,771	NATIONAL SCIENCE FOUNDATION	Walker, Berkley	PLANT RESEARCH LABORATORY NAT SCIENCE	COLLABORATIVE RESEARCH: IMPROVING PLANT PRODUCTIVITY AND MODELS OF CARBON EXCHANGE BY RESOLVING MECHANISMS OF EXCESS CARBON RELEASE IN PHOTORESPIRATION

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
<b>COLLEGE OF OSTEOPATHIC MEDICINE</b>					
252	\$50,000	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Luz, Clare	FAMILY AND COMMUNITY MEDICINE	INFECTION CONTROL TRAINING FOR DIRECT CARE WORKERS
253	\$8,750	REVANCE THERAPEUTICS INC	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, OPEN-LABEL, MULTI-CENTER TRIAL TO EVALUATE THE LONG-TERM SAFETY AND EFFICACY OF REPEAT TREATMENTS OF DAXIBOTULINUMTOXINA FOR INJECTION IN ADULTS WITH ISOLATED CERVICAL DYSTONIA (ASPEN-OLS)
254	\$5,937	GLOBAL KINETICS CORP	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	EVALUATION OF THE PERSONAL KINETIGRAPH™ (PKG™) TO IMPROVE INSIGHT INTO PARKINSON'S DISEASE STATUS (APPRISE)
255	\$13,784	CEREVEL THERAPEUTICS LLC	Goudreau, John	NEUROLOGY AND OPHTHALMOLOGY COM	A PHASE 3, DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED, PARALLEL-GROUP, 27-WEEK TRIAL TO EVALUATE THE EFFICACY, SAFETY, AND TOLERABILITY OF TWO FIXED DOSES OF TAVAPADON IN EARLY PARKINSON'S DISEASE
256	\$50,000	AMER ASSOC OF NEUROMUSCULAR & ELECTRODIAGNOSTIC MEDICINE FOUNDATION FOR RESEARCH & EDUCATION	Kvalsund, Michelle	NEUROLOGY AND OPHTHALMOLOGY COM	PREVALENCE AND SPECTRUM OF ADULT ACUTE FLACCID PARALYSIS IN ZAMBIA
257	\$166,927	NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKES	Kvalsund, Michelle	NEUROLOGY AND OPHTHALMOLOGY COM	COMMUNITY HEALTH AND NEUROPATHY: NUTRITIONAL AND ENVIRONMENTAL LINKS IN ZAMBIA (CHANNELZ)
258	\$12,500	MUSCULAR DYSTROPHY ASSOC INC	Sachdev, Amit	NEUROLOGY AND OPHTHALMOLOGY COM	MSU DEPARTMENT OF NEUROLOGY MDA CARE CENTER
259	\$7,518	UNIVERSITY OF CALIFORNIA SAN DIEGO	Sidiropoulos, Christos	NEUROLOGY AND OPHTHALMOLOGY COM	A SEAMLESS PHASE 2A-B RANDOMIZED DOUBLE-BLIND PLACEBO-CONTROLLED TRIAL TO EVALUATE THE EFFICACY AND SAFETY OF BHV-4157 IN PATIENTS WITH MILD TO MODERATE ALZHEIMER'S DISEASE
260	\$17,500	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
261	\$14,951	UNIVERSITY OF ROCHESTER	Seydel, Karl	OSTEOPATHIC MEDICAL SPECIALTIES COM	AGGRESSIVE ANTIPYRETICS IN CNS MALARIA: A RANDOMIZED-CONTROLLED TRIAL ASSESSING ANTIPYRETIC EFFICACY AND PARASITE CLEARANCE
262	\$70,800	UNIVERSITY OF MINNESOTA	Fink, Gregory	PHARMACOLOGY TOXICOLOGY	AFFERENT RENAL NERVES, RENAL INFLAMMATION, AND HYPERTENSION



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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
263	\$8,000	FIBROSIX LLC	Lisabeth, Erika	PHARMACOLOGY TOXICOLOGY	PURIFICATION OF RECOMBINANT PIRIN
264	\$18,102	NATIONAL INST DIABETES & DIGESTIVE & KIDNEY DISEASES	Tykocki, Nathan	PHARMACOLOGY TOXICOLOGY	TRPV1 MEDIATES PROGRESSIVE STRESS-INDUCED BLADDER DYSFUNCTION
265	\$425,185	NATIONAL INST OF HEALTH	Watts, Stephanie	PHARMACOLOGY TOXICOLOGY	5-HT7 RECEPTOR AND BLOOD PRESSURE REGULATION
266	\$612,102	NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	CULTURE-SPECIFIC NEURODEVELOPMENTAL ASSESSMENT OF HIV- AFFECTED CHILDREN
267	\$592,200	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Scheid, Jeanette	PSYCHIATRY OSTEOPATHIC MEDICINE	ADDITIONAL SERVICE OF PHYSICIAN REVIEWER FOR THE STATE OF MICHIGAN DEPARTMENT OF HEALTH AND HUMAN SERVICES EFFECTIVE 10/1/20
268	\$38,730	GRAND VALLEY STATE UNIV	Sikorskii, Alla	PSYCHIATRY OSTEOPATHIC MEDICINE	A RANDOMIZED CONTROLLED TRIAL OF VISUAL CUES, SIGNAGE, AND SPACED-RETRIEVAL EDUCATION WITHIN LONG TERM CARE COMMUNITIES TO ASSIST WITH WAYFINDING
<b>COLLEGE OF SOCIAL SCIENCE</b>					
269	\$771,610	NATIONAL INST OF JUSTICE	Chermak, Steven	CRIMINAL JUSTICE	EXAMINING RADICALIZATION'S RISK AND PROTECTIVE FACTORS: A CASE- CONTROL STUDY OF VIOLENT EXTREMISTS, NON-CRIMINAL EXTREMISTS & REGULAR HOMICIDE OFFENDERS
270	\$63,016	DEAKIN UNIV AUSTRALIA	Chermak, Steven	CRIMINAL JUSTICE	SCIENTIFIC KNOWLEDGE AND APPROACHES TO DEFINING AND MEASURING HATE CRIME, HATE SPEECH AND HATE INCIDENTS
271	\$13,213	UNIVERSITY OF NEBRASKA - LINCOLN	Hamm, Joseph	CRIMINAL JUSTICE	NATIONAL COUNTERTERRORISM, INNOVATION, TECHNOLOGY AND EDUCATION CENTER
272	\$105,363	CITY OF DETROIT	Liebler, Juli	CRIMINAL JUSTICE	DETROIT GUN CRIME INTELLIGENCE CENTER
273	\$228,918	OFFICE OF JUSTICE PROGRAMS	Smith, Ruth	CRIMINAL JUSTICE	EVALUATING THE ROBUSTNESS AND RUGGEDNESS OF A STATISTICAL METHOD FOR COMPARISON OF MASS SPECTRAL DATA FOR SEIZED DRUG IDENTIFICATION
274	\$7,560	IMPAQ INTL	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	MONITORING AND EVALUATION SUPPORT ACTIVITY (MEASURE II) IN BOSNIA AND HERZEGOVINA
275	\$386,327	MICHIGAN DEPT OF TRANSPORTATION	Bunting, Erin	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	RIGHT-OF-WAY MAPPING CONVERSION TO GIS, OR21-002
276	\$100,000	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Theuerkauf, Ethan	GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES	SEDIMENT TRANSPORT NEARSHORE STUDY

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
277	\$65,110	UNIVERSITY OF MICHIGAN	Andresen, Jeffrey	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	GREAT LAKES INTEGRATED SCIENCES AND ASSESSMENTS (GLISA) BRIDGE YEAR PROPOSAL
278	\$238,869	NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Roy, David	GLOBAL CHG AND EARTH OBSERVATION CTR FOR	MACHINE LEARNING PLANET HIGH RESOLUTION TRAINING DATA FOR MEDIUM RESOLUTION LAND COVER AND DISTURBANCE MAPPING
279	\$149,459	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
280	\$100,535	CACS HEAD START	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	HEAD START PRESCHOOL SERVICES - HASLETT
281	\$88,128	CACS HEAD START	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	HEAD START PRESCHOOL SERVICES - EAST LANSING
282	\$60,171	INGHAM INTERMEDIATE SCHOOL DISTRICT	Linscott, Laurie	HUMAN DEVELOPMENT AND FAMILY STUDIES CSS	INGHAM GREAT START READINESS PROGRAM
283	\$188,701	MICHIGAN DEPT OF COMMUNITY HEALTH	Grossmann, Matthew	INST FOR PUBLIC POLICY SOCIAL RESEARCH	BEHAVIORAL RISK FACTOR SURVEY 2019-2020
284	\$17,000	CENTER FOR A NEW AMERICAN SECURITY	Frantz, Erica	POLITICAL SCIENCE	TECHNOLOGY AND THE PERSONALIZATION OF POLITICS
285	\$15,838	TWO SIX LABS	Donnellan, Brent	PSYCHOLOGY SOCIAL SCIENCE	SYSTEMATIZING CONFIDENCE IN OPEN RESEARCH AND EVIDENCE (SCORE) PROGRAM
286	\$10,264	TURNING POINT INC	Gregory, Katie	PSYCHOLOGY SOCIAL SCIENCE	REFINING TURNING POINT'S MONITORING AND EVALUATION SYSTEM
287	\$20,000	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
288	\$341,777	NATIONAL INST OF HEALTH	Johnson, Alexander	PSYCHOLOGY SOCIAL SCIENCE	NEUROPEPTIDE MODULATION OF PREDICTIVE REGULATION VIS CHEMOGENETIC AND OPTOGENETIC CONTROL

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
289	\$50,000	UNIVERSITY OF MICHIGAN	Johnson, Alexander	PSYCHOLOGY SOCIAL SCIENCE	MICHIGAN DIABETES RESEARCH CENTER
290	\$664,132	NATIONAL INST OF HEALTH	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	A TWIN STUDY OF EXOGENOUS HORMONE EXPOSURE AND RISK FOR BINGE EATING
291	\$672,772	NATIONAL INST OF HEALTH	Klump, Kelly	PSYCHOLOGY SOCIAL SCIENCE	A TWIN STUDY OF ANDROGEN EFFECTS ON BINGE EATING RISK DURING PUBERTY IN MALES
292	\$359,208	NATIONAL SCIENCE FOUNDATION	Durst, Noah	SCHOOL OF PLANNING DES CONSTRUCTION CSS	MAPPING INFORMAL AND ALTERNATIVE HOUSING IN THE UNITED STATES: A BIG DATA APPROACH FOR EXAMINING SPATIAL INEQUALITY
293	\$402,312	NATIONAL SCIENCE FOUNDATION	Zhao, Dong	SCHOOL OF PLANNING DES CONSTRUCTION CSS	CAREER: INTELLIGENT ENERGY RETROFIT DECISIONS FOR LARGE-SCALE RESIDENTIAL BUILDINGS
294	\$18,600	UNIVERSITY OF MICHIGAN	Barnes-Lee, Ashlee	SOCIAL WORK	COMBATING THE SCHOOL-TO-PRISON PIPELINE WITH RESTORATIVE JUSTICE PRACTICES
295	\$199,166	MICHIGAN HEALTH ENDOWMENT FUND	Freddolino, Paul	SOCIAL WORK	VIRTUAL TABLE: COORDINATING CARE WITH TECHNOLOGY IN AGING
296	\$16,253	MICHIGAN ASSOC OF CONSERVATION DISTRICTS	Gasteyer, Stephen	SOCIOLOGY SOCIAL SCIENCE	WHAT DRIVES FARMER LED CONSERVATION: NEW FARMERS, WOMEN FARMERS, CROP CONSULTANTS?
<b>ASC PROVOST FOR UNDERGRADUATE EDUCATION</b>					
297	\$24,000	TEAGLE FOUNDATION INC	Cilano, Cara	ASC PROVOST FOR UNDERGRADUATE EDUCATION	FORMULATING GENERAL EDUCATION AT MICHIGAN STATE UNIVERSITY
298	\$275,000	MICHIGAN DEPT OF EDUCATION	Lack, Bruce	MIGRANT STUDENT SERVICES	MSU ID&R CENTER - MIGRANT EDUCATION PROGRAM IDENTIFICATION, RECRUITMENT & REPORTING CENTERS
<b>COLLEGE OF VETERINARY MEDICINE</b>					
299	\$7,914	NATIONAL INST OF FOOD & AGRICULTURE	Abuelo Sebio, Angel	LARGE ANIMAL CLINICAL SCIENCES	IMPROVING FOOD-ANIMAL VETERINARY SERVICE SHORTAGE SITUATIONS IN RURAL BOVINE PRACTICE THROUGH RECRUITMENT AND CONTINUING EDUCATION OF EARLY-CAREER VETERINARIANS
300	\$10,000	MICHIGAN ANIMAL HEALTH FOUNDATION	Abuelo Sebio, Angel	LARGE ANIMAL CLINICAL SCIENCES	OPTIMIZING NEONATAL DAIRY CALF MICRONUTRIENT SUPPLEMENTATION AT BIRTH FOR IMPROVED MUCOSAL IMMUNITY AND HEALTH
301	\$94,099	NATIONAL INST OF HEALTH	Ewart, Susan	LARGE ANIMAL CLINICAL SCIENCES	INCREASING DIVERSITY IN EXPERIENTIAL RESEARCH EDUCATION AT MICHIGAN STATE UNIVERSITY

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
302	\$98,861	NATL PORK BOARD	O'Connor, Annette	LARGE ANIMAL CLINICAL SCIENCES	A LIVING SYSTEMATIC REVIEW OF HEALTH EFFECTS OF SWINE PRODUCTION OF COMMUNITIES
303	\$9,940	AMER COLLEGE OF VETERINARY INTERNAL MEDICINE FOUNDATION	Schott, Harold	LARGE ANIMAL CLINICAL SCIENCES	EFFECTS OF PHENYLBUTAZONE, FIROCOXIB, AND DIPYRONE ON THE DIURETIC EFFECT OF FUROSEMIDE IN HORSES
304	\$100,000	PHRMA FOUNDATION	Fortin, Jessica	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	CHARACTERIZATION OF NEW INHIBITORS OF P-TAU AGGREGATION AND CYTOTOXICITY
305	\$37,683	UNIVERSITY OF NEW MEXICO	Harkema, Jack	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	INHALATION OF CONTAMINATED MINE WASTE DUSTS AS A ROUTE FOR SYSTEMIC METAL TOXICITY
306	\$73,837	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Luyendyk, James	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	FIBRIN(OGEN) CONTROL OF METABOLIC INFLAMMATION AND OBESITY
307	\$195,625	NATIONAL INST OF HEALTH	Petroff, Margaret	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	ENDOCRINE REGULATION OF MATERNAL IMMUNITY IN PREGNANCY
308	\$25,000	NEOGEN CORP	Sreevatsan, Srinand	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	A RAPID TEST TO ENHANCE SURVEILLANCE OF CHRONIC WASTING DISEASE
309	\$84,986	MORRIS ANIMAL FOUNDATION	Watson, Victoria	PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM	D21FE-301: INFLUENCE OF THE MICROBIOTA ON DIARRHEA ASSOCIATED WITH ENTEROPATHOGENIC ESCHERICHIA COLI IN KITTENS
310	\$1,828,029	NATIONAL INST OF HEALTH	Petersen-Jones, Simon	SMALL ANIMAL CLINICAL SCIENCES	TRANSLATIONAL GENE THERAPY FOR CNGBI RETINITIS PIGMENTOSA
311	\$7,000	MBR WAVERLY LLC	Petersen-Jones, Simon	SMALL ANIMAL CLINICAL SCIENCES	TESTING RETINOPATHY OF FUTURE BREEDERS
<b>FACILITY FOR RARE ISOTOPE BEAMS</b>					
312	\$7,110	BOEING CO	Knudsen, Peter	FACILITY FOR RARE ISOTOPE BEAMS	INITIAL BAYONET STUDY
313	\$187,780	FERMI NATIONAL ACCELERATOR LABORATORY	Lund, Steven	FACILITY FOR RARE ISOTOPE BEAMS	US PARTICLE ACCELERATOR SCHOOL (USPAS) DIRECTOR
314	\$257,576	US DEPT OF ENERGY	Mantica, Paul	FACILITY FOR RARE ISOTOPE BEAMS	TECHNICAL ADVISOR TO THE DOE OFFICE OF NUCLEAR PHYSICS - MANTICA IPA
315	\$200,000	US DEPT OF ENERGY	York, Richard	FACILITY FOR RARE ISOTOPE BEAMS	HIGH RIGIDITY SPECTROMETER PROJECT – FY20 TO FY22

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
316	\$74,348	ARGONNE NATIONAL LABORATORY	Maciel Nunes, Filomena	NAT'L SUPERCONDUCTING CYCLOTRON LAB	NATIONAL FRIB THEORY FELLOW AT ARGONNE NATIONAL LABORATORY
317	\$350,000	US DEPT OF ENERGY	Nazarewicz, Witold	NAT'L SUPERCONDUCTING CYCLOTRON LAB	THEORETICAL NUCLEAR STRUCTURE
318	\$11,000,000	NATIONAL SCIENCE FOUNDATION	Sherrill, Bradley	NAT'L SUPERCONDUCTING CYCLOTRON LAB	OPERATION OF THE NSCL AS A NATIONAL USER FACILITY & RESEARCH PROGRAM
319	\$150,000	NATIONAL SCIENCE FOUNDATION	Singh, Jaideep	NAT'L SUPERCONDUCTING CYCLOTRON LAB	CAREER: OPTICAL SINGLE ATOM DETECTION FOR NUCLEAR ASTROPHYSICS
320	\$62,582	ARGONNE NATIONAL LABORATORY	Singh, Jaideep	NAT'L SUPERCONDUCTING CYCLOTRON LAB	MEASUREMENTS OF THE RA EDM & BLUE SLOWER UPGRADE
321	\$44,000	JEFFERSON SCIENCE ASSOCIATES LLC	Spyrou, Artemisia	NAT'L SUPERCONDUCTING CYCLOTRON LAB	STUDENT TRAINING AND ENGAGEMENT PROGRAM IN UNDERGRADUATE PHYSICS
<b>ASC PROVOST FOR ACADEMIC SERVICES</b>					
322	\$15,028,856	US DEPT OF EDUCATION	Stanley, Samuel	FINANCIAL AID	CARES ACT FUNDING REQUEST FOR MSU - SUPPLEMENT TO STUDENT PORTION (COVID-19)
<b>ASC PROV FOR UNIV OUTREACH ENGAGEMENT</b>					
323	\$90,000	MICHIGAN DEPT OF EDUCATION	Wu, Jamie	COMMUNITY EVALUATION AND RSCH COLLABRTVE	GREAT START READINESS PROGRAM EVALUATION GRANT
324	\$57,847	MICHIGAN FOOD & FARMING SYSTEMS	Martinez, Ruben	JULIAN SAMORA RESEARCH INSTITUTE	STRATEGIES FOR ADAPTIVE RESILIENCE IN SUSTAINABLE AGRICULTURE FOR BEGINNING AND HISTORICALLY UNDERSERVED FARMERS
325	\$359,000	ROBERT WOOD JOHNSON FOUNDATION	Barnes Najor, Jessica	OUTREACH AND ENGAGEMENT PARTNERSHIPS	INTERDISCIPLINARY RESEARCH LEADERS COHORT FIVE - 2020
<b>INTERNATIONAL STUDIES AND PROGRAMS</b>					
326	\$75,593	US DEPT OF EDUCATION	Green, Ashley	AFRICAN STUDIES CENTER	FULBRIGHT-HAYS DOCTORAL DISSERTATION RESEARCH ABROAD FY2020
327	\$59,830	FOREIGN AGRICULTURAL SERVICE	Wu, Xinyu	VISITING INTNL PROFESSIONAL PROGRAM	BORLAUG FELLOWSHIP PROGRAM - PHILIPPINES - AFRICAN SWINE FEVER - FELLOW #1

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
<b>MSU AGBIORESEARCH</b>					
328	\$300,000	NATIONAL INST OF FOOD & AGRICULTURE	Quintanilla Tornel, Marisol	ENTOMOLOGY MABR	EVALUATION OF DAMAGE AND INTEGRATED MANAGEMENT STRATEGIES FOR TWO LESION NEMATODE SPECIES IN CARROT AND WHEAT SYSTEMS
329	\$60,000	IOWA STATE UNIV	Chilvers, Martin	PLANT SOIL AND MICROBIAL SCIENCES	IDENTIFYING SOYBEAN FIELDS AT HIGH RISK FOR SUDDEN DEATH SYNDROME THROUGH AERIAL PHOTOGRAPHY AND DNA-BASED TOOLS
330	\$23,200	US GOLF ASSOC	Merewitz Holm, Emily	PLANT SOIL AND MICROBIAL SCIENCES	CHARACTERIZATION OF TURFGRASS PLANT INDUCED DEFENSES IN RESPONSE TO ANNUAL BLUEGRASS WEEVIL FEEDING
331	\$20,000	MICHIGAN BLUEBERRY GROWERS ASSOC	Miles, Timothy	PLANT SOIL AND MICROBIAL SCIENCES	BLUEBERRY EVALUATION
<b>MICHIGAN STATE UNIVERSITY EXTENSION</b>					
332	\$24,442	MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT	Baas, Dean	EXTENSION AGRICULTURE AND AGRIBUSINESS	EVALUATION OF CEREAL RYE VARIETIES FOR THE MICHIGAN CRAFT DISTILLING INDUSTRY
333	\$13,236	MICHIGAN CROP IMPROVEMENT ASSOC	Dedecker, James	EXTENSION AGRICULTURE AND AGRIBUSINESS	INVESTIGATING OAT AND BARLEY VARIETY PERFORMANCE ACROSS MICHIGAN
334	\$199,836	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Fronczak, Sarah	EXTENSION AGRICULTURE AND AGRIBUSINESS	ST. JOSEPH WLEB PHOSPHORUS REDUCTION COST-SHARE
335	\$6,986	MICHIGAN PORK PRODUCERS ASSOC	Thompson, David	EXTENSION AGRICULTURE AND AGRIBUSINESS	SECURE PORK SUPPLY PREPARATION - IDENTIFYING EXTENSIVE PIG FARMS IN SOUTHERN MICHIGAN FOR NOTIFICATION AND TRAINING DURING A FAD OUTBREAK
336	\$139,410	UNIVERSITY OF MINNESOTA	Tocco, Phillip	EXTENSION AGRICULTURE AND AGRIBUSINESS	WATER QUALITY AND THE FSMA PSR: DEVELOPING RISK ASSESSMENT AND EDUCATIONAL TOLS FOR FARMERS AND LABORATORIES IN THE UPPER MIDWEST
337	\$7,296	MICHIGAN 4H FOUNDATION	DeDecker, Jacob	EXTENSION CHILDREN AND YOUTH	MICHIGAN 4H FOUNDATION COUNTY PROGRAMS
338	\$15,049	BARRY COUNTY UNITED WAY	Kilpatrick, Glenda	EXTENSION CHILDREN AND YOUTH	BARRY COUNTY MSU EXTENSION 4-H PROGRAM
339	\$29,545	MICHIGAN DEPT OF HEALTH & HUMAN SERVICES	Tobe, Erica	EXTENSION CHILDREN AND YOUTH	YOUTH IN AGRICULTURE EDUCATION, INFLUENZA AND ZOOSES PROGRAM - 2021 PART 1

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
340	\$6,050	CITY OF WARREN	Martinez, Elizabeth	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	WARREN COMMUNITY DEVELOPMENT GRANT - HOUSING EDUCATIONAL SERVICES
341	\$5,003	AMERICANA FOUNDATION	Mathis, Michael	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	THOMAS RANGER MEMORIAL FUND - MSU TOLLGATE FARM 2021
342	\$116,000	AMERICANA FOUNDATION	Mathis, Michael	EXTENSION COMMUNITY FOOD AND ENVIRONMENT	MSU TOLLGATE FARM & EDUCATION CENTER - 2021 OPERATIONS & PROGRAM SUPPORT
343	\$27,458	MICHIGAN DEPT OF TRANSPORTATION	Badra, Peter	NATURAL FEATURES INVENTORY MSUE	MDOT MUSSEL RELOCATION AT NOTTAWA CREEK - M-60/66
344	\$125,779	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	MNFI 2021 - MI DNR WLD INTEGRATED INVENTORY 2021
345	\$90,000	MICHIGAN DEPT OF NATURAL RESOURCES	Cohen, Joshua	NATURAL FEATURES INVENTORY MSUE	10 - NATURAL COMMUNITY SURVEYS AND MIFI INVENTORY OF PRD LANDS 2021
346	\$50,000	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Cuthrell, David	NATURAL FEATURES INVENTORY MSUE	MDVMA CAMP GRAYLING POLLINATOR PLOTS AND RARE INSECT SURVEYS
347	\$29,436	MICHIGAN DEPT OF TRANSPORTATION	Higman, Phyllis	NATURAL FEATURES INVENTORY MSUE	MDOT RARE PLANT SURVEYS 2020 #2
348	\$49,114	MICHIGAN DEPT OF NATURAL RESOURCES	Klatt, Brian	NATURAL FEATURES INVENTORY MSUE	MDEQ ANNUAL ACCESS TO NATURAL HERITAGE DATABASE
349	\$49,114	MICHIGAN DEPT OF NATURAL RESOURCES	Klatt, Brian	NATURAL FEATURES INVENTORY MSUE	MDOT ANNUAL ACCESS TO NATURAL HERITAGE DATABASE
350	\$356,778	MICHIGAN DEPT OF NATURAL RESOURCES	Klatt, Brian	NATURAL FEATURES INVENTORY MSUE	CONSULTATION, ADMINISTRATION, AND DATABASE FOR MDNR 2021
351	\$29,703	MICHIGAN DEPT OF NATURAL RESOURCES	Lincoln, Jesse	NATURAL FEATURES INVENTORY MSUE	LAND MANAGEMENT CONSULTATIONS AND SURVEYS 2021

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

	Amount	Sponsor	Principal Investigator/Director	Unit	Project Title
352	\$39,809	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Monfils, Michael	NATURAL FEATURES INVENTORY MSUE	CAMP GRAYLING BIRD SURVEY DESIGN AND IMPLEMENTATION
353	\$99,500	MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS	Monfils, Michael	NATURAL FEATURES INVENTORY MSUE	CAMP GRAYLING BIRD SURVEY DESIGN AND IMPLEMENTATION
354	\$15,294	MICHIGAN BEAN COMMISSION	Steinke, Kurt	PLANT SOIL AND MICROBIAL SCIENCES	SOIL FERTILITY MICHIGAN BEAN PROJECT
<b>RESEARCH AND INNOVATION</b>					
355	\$11,851,376	UNIVERSITY OF WISCONSIN MADISON	Landis, Douglas	GREAT LAKES BIOENERGY RESEARC CTR VPRGS	GREAT LAKES BIOENERGY RESEARCH CENTER
356	\$75,000	CHARLES J STROSACKER FOUNDATION	Hunt, Paul	MIDLAND ST ANDREWS	A PROPOSAL TO THE ROLLIN M. GERSTACKER FOUNDATION FOR THE 2020 AND 2021 SUPPORT OF MSU ST. ANDREWS.
357	\$45,000	AITCH FOUNDATION	Gage, Douglas	OFFICE OF RESEARCH AND INNOVATION	AITCH FOUNDATION CANCER RESEARCH AWARDS
<b>INFRASTRUCTURE PLANNING AND FACILITIES</b>					
358	\$170,000	MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY	Smith, David	INFRASTRUCTURE PLANNING AND FACILITIES	MSU SURPLUS & RECYCLING CENTER
<b>FINANCE</b>					
359	\$30,935,897	US DEPT OF EDUCATION	Haas, Mark	CONTROLLER	CARES ACT FUNDING REQUEST FOR MSU - SUPPLEMENTAL FUNDING FOR THE INSTITUTION PORTION (COVID-19)
<b>PRESIDENT</b>					
360	\$5,818	MICHIGAN STATE POLICE	Dunlap, James	DEPARTMENT OF POLICE AND PUBLIC SAFETY	IN SERVICE TRAINING OF POLICE OFFICERS
<b>MICHIGAN STATE UNIVERSITY COLLEGE OF LAW</b>					
361	\$92,000	CASEY FAMILY PROGRAMS	Fort, Kathryn	COLLEGE OF LAW DEAN	CASEY FAMILY PROGRAMS - NATIONAL ICWA STRATEGY
<b>VARIOUS</b>					
362	\$206,299	VARIOUS	Various	Various	111 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION



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

	<b>Amount</b>	<b>Sponsor</b>	<b>Principal Investigator/Director</b>	<b>Unit</b>	<b>Project Title</b>
	\$131,743,396	Total April 2021 Board			

CONSIGNMENT/NON-CASH GIFTS  
BOARD OF TRUSTEES  
APRIL 16, 2021

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	Compact fill	Crandell Bros. Trucking Dan Crandell	Intercollegiate Athletics/ Spartan Fund	\$260,640.00	Fill for MSU's Golf short game facility.
2	Photographs by Leonard Freed	Zoe & Yuri Grevich	Libraries	\$125,000.00	Research & Special Collections
3	Vegetable washer serial #29416 Vegetable washer serial #29419	Dee & Dale Warner	College of Agriculture & Natural Resources / MSU Extension	\$66,698.38	Clean produce
4	Collection of comic books	Craig Kunaschk	Libraries	\$19,120.00	Research & Special Collections
5	Musical instruments: 1 Stagg tuba, 3 Fender guitars, 2 Cremona cellos, 4 Cremona violins & 12 steel drums	Renee & Chuck Dardas	College of Music	\$8,389.00	Student instruments
6	Equipment & supplies	William Hartmann	Physics & Astronomy	\$6,902.30	Equipment & supplies for laboratory
7	Horse	Sallie Cosgrove	Veterinary Medical Center	\$5,000.00	Terminal plasma donation
8	"Bailey" Bay, Female Intact Equine	Sherry & Dale Kollien	Large Animal Clinical Sciences	\$5,000.00	Class or AUF:77784 Research

9-40	Various	Various	Various	\$49,716.00	32 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>\$546,465.68</b>	