

**MICHIGAN STATE
UNIVERSITY**

April 8, 2022

APPROVED

APRIL 22, 2022

BOARD OF TRUSTEES
MICHIGAN STATE UNIVERSITY

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 January 13, 2022, through March 23, 2022. The report is a compilation of 445 Gifts, Grants, and Contracts plus 29 Consignment/Non-Cash Gifts, with a total value of \$84,511,183.

FY 2021-22 TOTALS:

- | | |
|---|---------------|
| a) Gifts, Grants and Contracts only: | \$629,693,635 |
| b) Gifts, Grants and Contracts plus Consignments: | \$632,424,121 |
- (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**

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Vice President

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Current Period / Year to Date

Gift & Grant Awards

Meeting Date: 04/22/2022

Current Period: Jan 13, 2022 - Mar 23, 2022

AWARD TOTALS

| Research | | | |
|------------------------------|---------------------|----------------------|----------------|
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | \$53,263,918 | \$312,984,864 | 84.3% |
| State of Michigan | \$5,233,859 | \$17,523,200 | 4.7% |
| Other | \$4,629,508 | \$13,157,308 | 3.5% |
| Industry/CO | \$2,202,180 | \$8,095,528 | 2.2% |
| Foundation | \$1,999,530 | \$17,508,075 | 4.7% |
| Association | \$534,701 | \$1,859,371 | 0.5% |
| Research - Total | \$67,863,696 | \$371,128,345 | 100% |
| Non-Research | | | |
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | \$11,915,309 | \$78,298,800 | 30.3% |
| State of Michigan | \$494,780 | \$6,412,029 | 2.5% |
| Other | \$1,099,784 | \$15,309,074 | 5.9% |
| Industry/CO | \$27,000 | \$2,613,778 | 1.0% |
| Foundation | \$2,847,804 | \$7,334,930 | 2.8% |
| Association | \$49,836 | \$221,666 | 0.1% |
| Various Donors - Advancement | \$0 | \$148,375,013 | 57.4% |
| Non-Research - Total | \$16,434,514 | \$258,565,290 | 100% |
| Total | | | |
| Gift/Grant Source | Current Period | Year to Date | Amount % YTD |
| Federal Government | \$65,179,227 | \$391,283,664 | 62.1% |
| State of Michigan | \$5,728,639 | \$23,935,229 | 3.8% |
| Other | \$5,729,292 | \$28,466,382 | 4.5% |
| Industry/CO | \$2,229,180 | \$10,709,306 | 1.7% |
| Foundation | \$4,847,334 | \$24,843,005 | 3.9% |
| Association | \$584,537 | \$2,081,037 | 0.3% |
| Various Donors - Advancement | \$0 | \$148,375,013 | 23.6% |
| TOTAL | \$84,298,210 | \$629,693,635 | 100% |

OF AWARDS

| Research | | | |
|------------------------------|----------------|--------------|----------------|
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | 184 | 957 | 58.8% |
| State of Michigan | 27 | 86 | 5.3% |
| Other | 71 | 219 | 13.5% |
| Industry/CO | 53 | 198 | 12.2% |
| Foundation | 15 | 81 | 5.0% |
| Association | 12 | 86 | 5.3% |
| Research - Total | 362 | 1,627 | 100% |
| Non-Research | | | |
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | 37 | 243 | 50.8% |
| State of Michigan | 7 | 37 | 7.7% |
| Other | 15 | 75 | 15.7% |
| Industry/CO | 2 | 36 | 7.5% |
| Foundation | 20 | 73 | 15.3% |
| Association | 2 | 11 | 2.3% |
| Various Donors - Advancement | 0 | 3 | 0.6% |
| Non-Research - Total | 83 | 478 | 100% |
| Total | | | |
| Gift/Grant Source | Current Period | Year to Date | Count % YTD |
| Federal Government | 221 | 1,200 | 57.0% |
| State of Michigan | 34 | 123 | 5.8% |
| Other | 86 | 294 | 14.0% |
| Industry/CO | 55 | 234 | 11.1% |
| Foundation | 35 | 154 | 7.3% |
| Association | 14 | 97 | 4.6% |
| Various Donors - Advancement | 0 | 3 | 0.1% |
| TOTAL | 445 | 2,105 | 100% |

Current Year / Previous Year

Gift & Grant Awards

Meeting Date: 04/22/2022

Current Period: Jan 13, 2022 - Mar 23, 2022

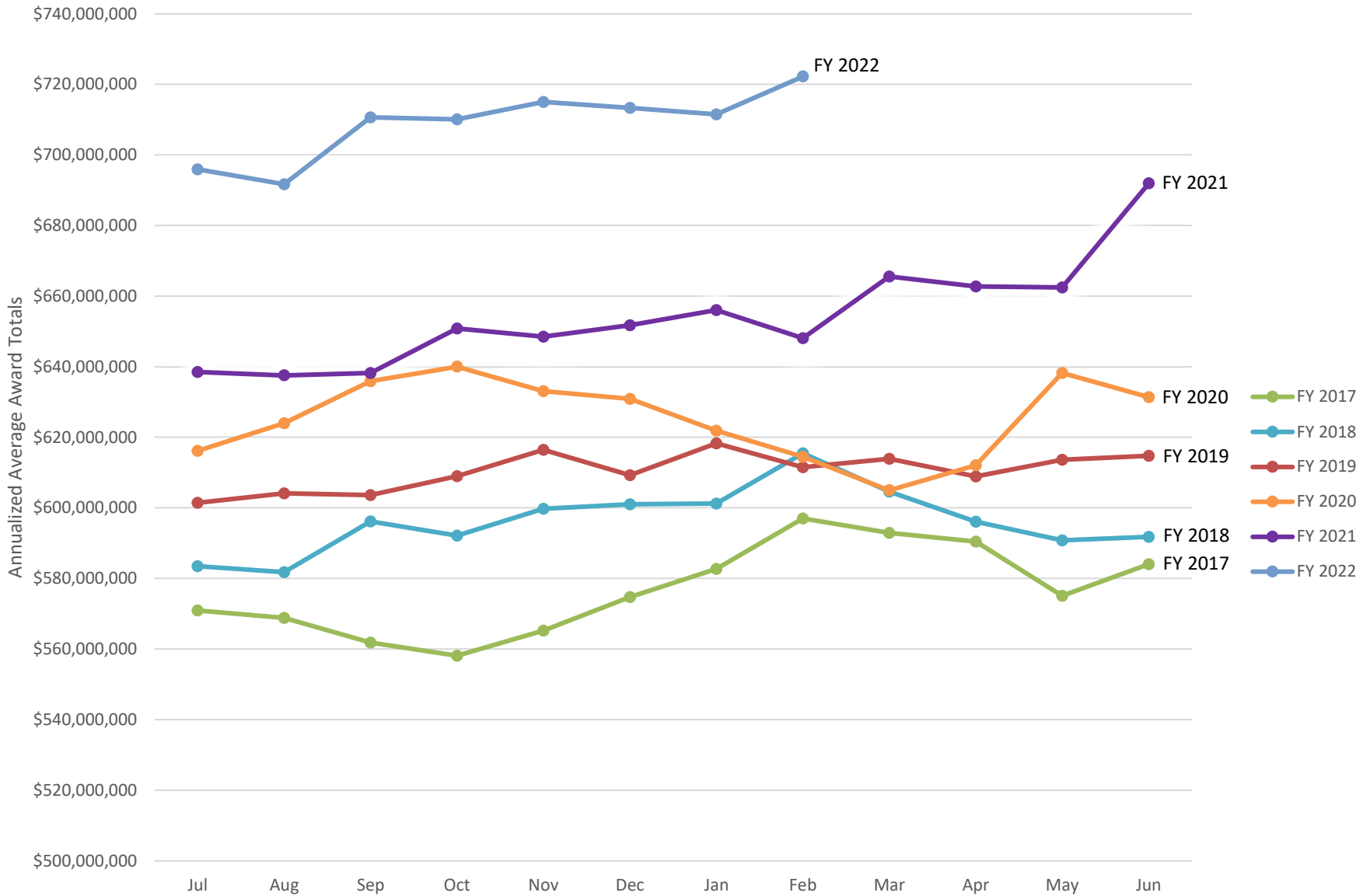
AWARD TOTALS

| Research | | | |
|------------------------------|----------------------|----------------------|-----------------|
| Gift/Grant Source | Previous YTD | Year to Date | % Change |
| Federal Government | \$325,620,352 | \$312,984,864 | -3.9% |
| State of Michigan | \$7,084,078 | \$17,523,200 | 147.4% |
| Other | \$14,841,472 | \$13,157,308 | -11.3% |
| Industry/CO | \$7,920,258 | \$8,095,528 | 2.2% |
| Foundation | \$15,018,013 | \$17,508,075 | 16.6% |
| Association | \$2,895,190 | \$1,859,371 | -35.8% |
| Research - Total | \$373,379,362 | \$371,128,345 | -0.6% |
| Non-Research | | | |
| Gift/Grant Source | Previous YTD | Year to Date | % Change |
| Federal Government | \$97,373,763 | \$78,298,800 | -19.6% |
| State of Michigan | \$36,732,741 | \$6,412,029 | -82.5% |
| Other | \$14,741,163 | \$15,309,074 | 3.9% |
| Industry/CO | \$2,463,792 | \$2,613,778 | 6.1% |
| Foundation | \$12,125,583 | \$7,334,930 | -39.5% |
| Association | \$196,223 | \$221,666 | 13.0% |
| Various Donors - Advancement | \$63,405,070 | \$148,375,013 | 134.0% |
| Non-Research - Total | \$227,038,336 | \$258,565,290 | 13.9% |
| Total | | | |
| Gift/Grant Source | Previous YTD | Year to Date | Amount % Change |
| Federal Government | \$422,994,115 | \$391,283,664 | -7.5% |
| State of Michigan | \$43,816,818 | \$23,935,229 | -45.4% |
| Other | \$29,582,636 | \$28,466,382 | -3.8% |
| Industry/CO | \$10,384,050 | \$10,709,306 | 3.1% |
| Foundation | \$27,143,596 | \$24,843,005 | -8.5% |
| Association | \$3,091,413 | \$2,081,037 | -32.7% |
| Various Donors - Advancement | \$63,405,070 | \$148,375,013 | 134.0% |
| TOTAL | \$600,417,698 | \$629,693,635 | 4.9% |

OF AWARDS

| Research | | | |
|------------------------------|------------------|--------------|----------------|
| Gift/Grant Source | Previous YTD | Year to Date | % Change |
| Federal Government | 954 | 957 | 0.3% |
| State of Michigan | 75 | 86 | 14.7% |
| Other | 239 | 219 | -8.4% |
| Industry/CO | 211 | 198 | -6.2% |
| Foundation | 78 | 81 | 3.8% |
| Association | 244 | 86 | -64.8% |
| Research - Total | 1,801 | 1,627 | -9.7% |
| Non-Research | | | |
| Gift/Grant Source | Previous YTD | Year to Date | % Change |
| Federal Government | 218 | 243 | 11.5% |
| State of Michigan | 38 | 37 | -2.6% |
| Other | 94 | 75 | -20.2% |
| Industry/CO | 87 | 36 | -58.6% |
| Foundation | 87 | 73 | -16.1% |
| Association | 15 | 11 | -26.7% |
| Various Donors - Advancement | 3 | 3 | 0.0% |
| Non-Research - Total | 542 | 478 | -11.8% |
| Total | | | |
| Gift/Grant Source | Acceptance Total | Year to Date | Count % Change |
| Federal Government | 1,172 | 1,200 | 2.4% |
| State of Michigan | 113 | 123 | 8.8% |
| Other | 333 | 294 | -11.7% |
| Industry/CO | 298 | 234 | -21.5% |
| Foundation | 165 | 154 | -6.7% |
| Association | 259 | 97 | -62.5% |
| Various Donors - Advancement | 3 | 3 | 0.0% |
| TOTAL | 2,343 | 2,105 | -10.2% |

Michigan State University 3 Year Annualized Average Awards



Top 10 Awards for the April 22, 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 | \$8,000,000 | Thomas Glasmacher | US Dept of Energy | FACILITY FOR RARE ISOTOPE BEAMS | Modification | Research | 03/15/2018 01/14/2023 | Facility for Rare Isotope Beams Transition to Operation and Operation as Scientific User Facility |
| 2 | Federal Government | \$6,721,226 | Anna Moore | National Inst of Health | RADIOLOGY HUMAN MEDICINE | New | Construction | 09/20/2021 05/31/2026 | Large Animal Facility for Imaging and Image-guided Therapies at MSU |
| 3 | Federal Government | \$3,750,000 | Christoph Benning | US Dept of Energy | PLANT RESEARCH LABORATORY NAT SCIENCE | Modification | Research | 12/01/1990 03/31/2023 | Photosynthetic Energy Capture, Conversion and Storage: From Fundamental Mechanisms to Modular Engineering |
| 4 | State of Michigan | \$3,000,000 | George Smith | Michigan Dept of Agriculture & Rural Development | MSU AGBIORESEARCH DIR OFC | New | Research | 05/01/2022 06/30/2025 | Michigan Alliance for Animal Agriculture - 2022 |
| 5 | Federal Government | \$2,695,451 | Stephanie Watts | National Inst of Health | PHARMACOLOGY TOXICOLOGY | New | Research | 12/22/2021 11/30/2026 | Perivascular Adipose Tissue (PVAT) as a Central Integrator of Vascular Health |
| 6 | Foundation | \$2,000,000 | Yomaira Figueroa | The Andrew W Mellon Foundation | ENGLISH | New | Public Service | 01/01/2022 12/31/2024 | Diaspora Solidarities Laboratory |
| 7 | Federal Government | \$1,786,297 | Xiaoming Liu | Intelligence Advanced Research Projects Activity | COMPUTER SCIENCE AND ENGINEERING | Modification | Research | 11/12/2021 11/11/2025 | Physics-driven Modeling and Learning for Person Recognition at a Distance and Altitude |
| 8 | Foundation | \$1,539,077 | Jason Rowntree | Foundation for Food & Agriculture Research | ANIMAL SCIENCE DEPARTMENT MABR | Modification | Research | 10/01/2021 09/30/2022 | Metrics, management, and monitoring - an investigation in rangeland and pasture soil health and their drivers |
| 9 | Federal Government | \$1,517,749 | 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 | \$1,166,667 | Erica Tobe | Centers for Disease Control & Prevention | EXTENSION CHILDREN AND YOUTH | New | Public Service | 07/01/2021 09/30/2021 | FY21 Improving and Expanding Educational Messaging Around Vaccination with Michigan's Youth and Families through Trusted Messengers and MSU Extension Networks |
| | TOTAL | \$32,176,467 | | | | | | | |

Gift, Grant and Contract Report
Board of Trustees
April 2022

| | Amount | Sponsor | Principal Investigator/Director | Unit | Project Title |
|---|-----------|---|---------------------------------|--|--|
| COLLEGE OF AGRICULTURE AND NAT RESOURCES | | | | | |
| 1 | \$683,512 | INTL FOOD POLICY RESEARCH INST | Boughton, Duncan | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | IFPRI - MAPSA 2 |
| 2 | \$154,988 | UNITED EGG PRODUCERS | Caputo, Vincenzina | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | ASSESSING THE IMPACT OF TRANSITIONING TO CAGE-FREE EGGS ON U.S. EGG FARMERS, RETAILERS, AND CONSUMERS. |
| 3 | \$51,471 | MICHIGAN DEPT OF NATURAL RESOURCES | Lupi, Frank | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | PERM: FRANK LUPI – ECONOMIC ASPECTS OF WILDLIFE MANAGEMENT |
| 4 | \$78,914 | UNIVERSITY OF MICHIGAN | Miller, Steven | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | “MAPPING AND BRIDGING BARRIERS IN KNOWLEDGE FLOWS OF HOW SOLAR PHOTOVOLTAICS AFFECT RURAL COMMUNITY ECONOMIES” |
| 5 | \$15,000 | LINCOLN INST LAND POLICY | Skidmore, Mark | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | VALUING LAND IN DETROIT USING THE OPTION VALUE APPROACH |
| 6 | \$650,000 | NATIONAL INST OF FOOD & AGRICULTURE | Ernst, Catherine | ANIMAL SCIENCE DEPARTMENT ANR | CHARACTERIZING INTERGENERATIONAL RESILIENCE IN PIGS: IMPACTS OF GROUP-HOUSING ON EPIGENETIC MODIFICATIONS ASSOCIATED WITH BEHAVIORAL AND PHYSIOLOGICAL STRESS PHENOTYPES |
| 7 | \$80,395 | COTTON INC | Lock, Adam | ANIMAL SCIENCE DEPARTMENT ANR | "MAXIMIZING THE YIELDS OF MILK FAT AND PROTEIN UTILIZING WHOLE COTTONSEED IN DAIRY COW DIETS: A DOSE RESPONSE STUDY" |
| 8 | \$10,050 | VITA PLUS CORP | Rozeboom, Dale | ANIMAL SCIENCE DEPARTMENT ANR | RESEARCH GIFT |
| 9 | \$76,899 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Das, Narendra | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | DEVELOPMENT, TESTING AND IMPLEMENTATION OF LOW COST AND EFFECTIVE IN SITU SOIL MOISTURE SENSOR FOR CITIZEN SCIENCE |
| 10 | \$6,196 | VAN BUREN CONSERVATION DISTRICT | Ghane, Ehsan | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | MITIGATING AGRICULTURAL RUNOFF IN THE PAW PAW RIVER WATERSHEDS |
| 11 | \$21,871 | 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 |

Gift, Grant and Contract Report
Board of Trustees
April 2022

| | Amount | Sponsor | Principal Investigator/Director | Unit | Project Title |
|----|-----------|--|---------------------------------|---|---|
| 12 | \$100,000 | NEXTENERGY | Liao, Wei | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | A MOBILE AGRICULTURAL WASTES UTILIZATION SYSTEM FOR SMALL-SCALE RENEWABLE ELECTRICITY GENERATION |
| 13 | \$224,829 | BOOZ ALLEN HAMILTON INC | Liao, Wei | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | A COMBINED ELECTROCHEMICAL AND BIOLOGICAL BLACKWATER TREATMENT PROCESS |
| 14 | \$55,626 | AGRICULTURAL RESEARCH SERVICE | Marks, Bradley | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | ACQUISITION OF GOODS AND SERVICES |
| 15 | \$150,000 | KANSAS STATE UNIV | Nejadhashemi, Amirpouyan | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | GEOSPATIAL, FARMING SYSTEMS, AND DIGITAL TOOLS CONSORTIUM – BUILDING A NEW ERA OF PREDICTIVE AGRICULTURAL INNOVATION TO IMPROVE THE LIVELIHOOD OF SMALLHOLDER FARMERS |
| 16 | \$39,892 | MICHIGAN CRAFT BEVERAGE COUNCIL | Safferman, Steven | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | EVALUATION OF A GREENHOUSE ECOSYSTEM TO MANAGE CRAFT BEVERAGE WASTEWATER |
| 17 | \$169,615 | HURON-CLINTON METROPOLITAN AUTHORITY | Perry, Elizabeth | DEPARTMENT OF COMMUNITY SUSTAINABILITY | RESEARCH SUPPORT FOR DEVELOPING THE HURON-CLINTON METROPARKS' CLIMATE ACTION PLAN |
| 18 | \$89,912 | NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA | Scalera, Lindsey | DEPARTMENT OF COMMUNITY SUSTAINABILITY | GROWING THE IMPACT: BUILDING CAPACITY FOR STATEWIDE AND REGIONAL FOOD SYSTEM PLANS |
| 19 | \$300,000 | W K KELLOGG FOUNDATION | Souza, Kolia | DEPARTMENT OF COMMUNITY SUSTAINABILITY | ADVANCING MICHIGAN GOOD FOOD POLICY FOR RACIAL EQUITY |
| 20 | \$79,952 | FAIR FOOD NETWORK | Souza, Kolia | DEPARTMENT OF COMMUNITY SUSTAINABILITY | NUTRITION INCENTIVE PROGRAM TRAINING, TECHNICAL ASSISTANCE, EVALUATION AND INFORMATION CENTERS (NTAE) FOR THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) GUS SCHUMACHER NUTRITION INCENTIVE PROGRAM |
| 21 | \$100,000 | MICHIGAN BLUEBERRY COMMISSION | Isaacs, Rufus | ENTOMOLOGY AGRICULTURE AND NATURAL RES | DEMONSTRATING EXPORT-READY PEST MANAGEMENT PROGRAMS FOR MICHIGAN BLUEBERRIES |
| 22 | \$99,979 | MICHIGAN STATE HORTICULTURAL SOCIETY | Isaacs, Rufus | ENTOMOLOGY AGRICULTURE AND NATURAL RES | IMPROVING GRAPE BERRY MOTH MANAGEMENT IN MICHIGAN VINEYARDS |
| 23 | \$72,442 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | McCullough, Deborah | ENTOMOLOGY AGRICULTURE AND NATURAL RES | RESEARCH ON EXOTIC FOREST PESTS IN MICHIGAN |
| 24 | \$51,000 | BEE INFORMED PARTNERSHIP INC | Milbrath, Meghan | ENTOMOLOGY AGRICULTURE AND NATURAL RES | MICHIGAN STATE UNIVERSITY/MICHIGAN TECHNICAL TRANSFER TEAM TO MONITOR COLONY HEALTH |

Gift, Grant and Contract Report
Board of Trustees
April 2022

| | Amount | Sponsor | Principal Investigator/Director | Unit | Project Title |
|----|-----------|---|---------------------------------|--|--|
| 25 | \$24,754 | UNIVERSITY OF WISCONSIN | Walker, Edward | ENTOMOLOGY AGRICULTURE AND NATURAL RES | THE UPPER MIDWESTERN REGIONAL CENTER OF EXCELLENCE IN VECTOR-BORNE DISEASE |
| 26 | \$17,635 | MICHIGAN APPLE COMMITTEE | Wilson, Julianna | ENTOMOLOGY AGRICULTURE AND NATURAL RES | TREE FRUIT INTEGRATOR POSITION |
| 27 | \$16,133 | US FISH & WILDLIFE SERVICE | Bence, James | FISHERIES AND WILDLIFE | FEASIBILITY OF A STATISTICAL CATCH-AT-AGE OR -LENGTH MODEL TO ESTIMATE SPATIALLY EXPLICIT FISHING MORTALITY OF BIGHEADED CARPS IN THE ILLINOIS RIVER |
| 28 | \$72,405 | 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 |
| 29 | \$15,000 | MICHIGAN DEPT OF NATURAL RESOURCES | Campa, Henry | FISHERIES AND WILDLIFE | EFFECTS OF UNGULATE BROWSING ON REGENERATING ASPEN COMMUNITIES AND MICHIGAN FEATURED WILDLIFE SPECIES IN THE PIGEON RIVER COUNTRY STATE FOREST: A 40-YEAR EVALUATION |
| 30 | \$5,550 | GREAT LAKES FISHERY COMMISSION | Jones, Michael | FISHERIES AND WILDLIFE | USING STOCK ASSESSMENT INFORMATION TO INFORM HARVEST POLICY IN DATA-LIMITED FISHERIES |
| 31 | \$64,892 | MICHIGAN DEPT OF NATURAL RESOURCES | Kramer, Daniel | FISHERIES AND WILDLIFE | PERM - DAN KRAMER - SOCIAL, ECONOMIC, AND POLICY ASPECTS OF WILDERNESS MANAGEMENT |
| 32 | \$348,000 | MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY | Latimore, Jo | FISHERIES AND WILDLIFE | MICHIGAN CLEAN WATER CORPS (MICORPS) PROGRAM ADMINISTRATION |
| 33 | \$18,354 | GREAT LAKES FISHERY COMMISSION | Loch, Thomas | FISHERIES AND WILDLIFE | ASSESSMENT OF SUSCEPTIBILITY TO VSHV-IVB IN JUVENILE WHITE SUCKERS (CATOSTOMUS COMMERSONII) VIA CONTROLLED LABORATORY EXPERIMENTAL CHALLENGES |
| 34 | \$67,792 | NATIONAL SCIENCE FOUNDATION | McCullough, Ian | FISHERIES AND WILDLIFE | COLLABORATIVE RESEARCH: RAPID: LAKE ECOSYSTEM RESPONSES TO FIRE ALONG GRADIENTS OF BURN CHARACTERISTICS AND HYDROLOGIC CONNECTIVITY |
| 35 | \$92,793 | MICHIGAN DEPT OF NATURAL RESOURCES | Riley, Shawn | FISHERIES AND WILDLIFE | PERM: SHAWN RILEY - HUMAN DIMENSION CONSIDERATIONS IN WILDLIFE MANAGEMENT |
| 36 | \$101,698 | GREAT LAKES FISHERY COMMISSION | Robinson, John | FISHERIES AND WILDLIFE | DEPLOY AND EVALUATE SEA LAMPREY CONTROLS THAT SUPPLEMENT LAMPRICIDES AND BARRIERS |
| 37 | \$82,398 | GREAT LAKES FISHERY COMMISSION | Robinson, John | FISHERIES AND WILDLIFE | VALIDATE AND APPLY SEA LAMPREY DIET ANALYSIS USING DNA METABARCODING |
| 38 | \$55,129 | GREAT LAKES FISHERY COMMISSION | Robinson, Kelly | FISHERIES AND WILDLIFE | THE CONSEQUENCES OF CONNECTIVITY |
| 39 | \$64,877 | 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. |

Gift, Grant and Contract Report
Board of Trustees
April 2022

| | Amount | Sponsor | Principal Investigator/Director | Unit | Project Title |
|----|-----------|---|---------------------------------|------------------------------------|--|
| 40 | \$37,057 | MICHIGAN DEPT OF NATURAL RESOURCES | Roloff, Gary | FISHERIES AND WILDLIFE | WILDLIFE RESPONSES TO INNOVATIVE SILVICULTURAL APPROACHES IN NORTHERN HARDWOOD FORESTS OF MICHIGAN |
| 41 | \$176,067 | NORTH DAKOTA GAME & FISH DEPARTMENT | Roloff, Gary | FISHERIES AND WILDLIFE | DENSITY AND SURVIVAL OF AMERICAN MARTEN IN THE TURTLE MOUNTAINS OF NORTH DAKOTA |
| 42 | \$79,808 | MICHIGAN DEPT OF NATURAL RESOURCES | Roloff, Gary | FISHERIES AND WILDLIFE | ROLOFF ANNUAL PERM AGREEMENT |
| 43 | \$27,783 | MICHIGAN SEA GRANT COLLEGE PROGRAM | Vandergoot, Christopher | FISHERIES AND WILDLIFE | SOURCES OF WALLEYE RECRUITMENT AND NATURAL REPRODUCTION IN SAGINAW BAY |
| 44 | \$46,728 | MICHIGAN DEPT OF NATURAL RESOURCES | Warwick, Alexa | FISHERIES AND WILDLIFE | PERM: ALEXA WARWICK – ENGAGEMENT, OUTREACH, AND HUMAN DIMENSIONS IN WILDLIFE MANAGEMENT |
| 45 | \$49,398 | MICHIGAN DEPT OF NATURAL RESOURCES | Williams, David | FISHERIES AND WILDLIFE | CHRONIC WASTING DISEASE DEER MOVEMENT STUDY |
| 46 | \$114,009 | MICHIGAN DEPT OF NATURAL RESOURCES | Williams, David | FISHERIES AND WILDLIFE | QWC: DAVID WILLIAMS – QUANTITATIVE WILDLIFE CENTER - PERM FY22 |
| 47 | \$81,024 | MICHIGAN DEPT OF NATURAL RESOURCES | Williams, David | FISHERIES AND WILDLIFE | INFLUENCE OF DEER HARVEST REGULATIONS ON ANTLERLESS HARVEST, ABUNDANCE, AND SEX AND AGE COMPOSITION: IMPLICATIONS FOR MANAGING DEER IN THE FACE OF CHRONIC WASTING DISEASE |
| 48 | \$47,423 | MICHIGAN DEPT OF NATURAL RESOURCES | Williams, David | FISHERIES AND WILDLIFE | QUANTIFYING FACTORS AFFECTING CHRONIC WASTING DISEASE TRANSMISSION AMONG DEER |
| 49 | \$70,398 | MICHIGAN DEPT OF NATURAL RESOURCES | Winterstein, Scott | FISHERIES AND WILDLIFE | GREAT LAKES MALLARD MOVEMENTS, HABITAT SELECTION, SURVIVAL, AND PRODUCTIVITY |
| 50 | \$157,000 | MICHIGAN DEPT OF NATURAL RESOURCES | Winterstein, Scott | FISHERIES AND WILDLIFE | WILDLIFE AND RECREATIONAL VALUE OF CREATED AND ENHANCED WETLANDS IN MICHIGAN |
| 51 | \$99,984 | MICHIGAN TREE FRUIT COMMISSION | Bergholz, Teresa | FOOD SCIENCE AND HUM NUTRITION ANR | CHARACTERIZING APPLE STORAGE PRACTICES AND POTENTIAL RISK OF LISTERIA CONTAMINATION |
| 52 | \$100,000 | TEXAS A&M UNIV | Bourquin, Leslie | FOOD SCIENCE AND HUM NUTRITION ANR | NEXT-GENERATION SMART SURFACES & COATINGS TO IMPROVE FOOD SAFETY AND WATER-EFFICIENCY OF U.S. SPECIALTY CROPS DURING HARVESTING, STORAGE, SORTING, AND PROCESSING |
| 53 | \$92,355 | DUKE UNIV | Comstock, Sarah | FOOD SCIENCE AND HUM NUTRITION ANR | ECHO COORDINATING CENTER: OPPORTUNITIES AND INFRASTRUCTURE FUND (OIF) |
| 54 | \$50,000 | BLUE CROSS BLUE SHIELD OF MICHIGAN FOUNDATION | Weatherspoon, Lorraine | FOOD SCIENCE AND HUM NUTRITION ANR | ASSESSING FOOD INSECURITY AND DIETARY BEHAVIOR TO ADDRESS OVERWEIGHT AND OBESITY IN FAMILY PRACTICE CLINICS |

Gift, Grant and Contract Report
Board of Trustees
April 2022

| | Amount | Sponsor | Principal Investigator/Director | Unit | Project Title |
|----|-----------|--|---------------------------------|------------------|---|
| 55 | \$100,000 | PENNSYLVANIA STATE UNIV | Clay, Kylie | FORESTRY | FOREST OWNER CARBON AND CLIMATE EDUCATION PROGRAM (FOCCE) |
| 56 | \$19,116 | THE NATURE CONSERVANCY | Clay, Kylie | FORESTRY | COVARIATE ANALYSIS FOR NORTHEAST FAMILY FOREST CARBON PROGRAM |
| 57 | \$25,000 | UNIVERSITY OF MAINE | Finley, Andrew | FORESTRY | FOREST CARBON ESTIMATION (FORCE): MAPPING GEDI-DERIVED FOREST STRUCTURE METRICS WITH PLOT-BASED INVENTORY & MULTIMODAL REMOTE SENSING DATA IN A HIERARCHICAL SPATIAL MODELING FRAMEWORK |
| 58 | \$20,000 | NATIONAL WILDLIFE FEDERATION | Huff, Emily | FORESTRY | INFLUENCE OF AGRICULTURAL GROUP INVOLVEMENT ON FARMER MANAGEMENT CHANGES |
| 59 | \$9,999 | MICHIGAN DEPT OF NATURAL RESOURCES | Pokharel, Raju | FORESTRY | ANALYSIS OF LOCATION, FEEDSTOCK AVAILABILITY, AND ECONOMIC CONTRIBUTIONS OF LOCATING A MASS TIMBER MANUFACTURING PLANT IN MICHIGAN. |
| 60 | \$374,498 | NATIONAL SCIENCE FOUNDATION | Barry, Cornelius | HORTICULTURE ANR | REU SITE: PLANT GENOMICS @ MICHIGAN STATE UNIVERSITY |
| 61 | \$99,891 | MICHIGAN VEGETABLE COUNCIL | Brainard, Daniel | HORTICULTURE ANR | ADVANCING AGBOT AND DRONE TECHNOLOGIES FOR SUSTAINABLE SOIL AND WEED MANAGEMENT IN VEGATABLES |
| 62 | \$10,466 | MICHIGAN CRAFT BEVERAGE COUNCIL | Chaudhari, Sushila | HORTICULTURE ANR | EVALUATION OF NEW HERBICIDE [TIAFENACIL] IN MICHIGAN HOPS FOR CROP SAFETY AND WEED CONTROL |
| 63 | \$98,525 | MICHIGAN CARROT COMMITTEE | Chaudhari, Sushila | HORTICULTURE ANR | ADVANCING WEED MANAGEMENT IN MICHIGAN CARROTS THROUGH NOVEL CULTURAL, ELECTRICAL, AND PHYSICAL APPROACHES |
| 64 | \$7,500 | BELCHIM CROP PROTECTION US LLC | Chaudhari, Sushila | HORTICULTURE ANR | UNRESTRICTED GIFT IN SUPPORT OF WEED MANAGEMENT RESEARCH |
| 65 | \$57,715 | MICHIGAN CHRISTMAS TREE ASSOC | Cregg, Bert | HORTICULTURE ANR | SUSTAINABLE CHRISTMAS TREE PRODUCTION: A TRAINING PROGRAM FOR NEW AND CURRENT CHRISTMAS TREE PRODUCERS |
| 66 | \$231,483 | UTAH STATE UNIV | Einhorn, Todd | HORTICULTURE ANR | IMPROVING THE ECONOMIC AND ENVIRONMENTAL SUSTAINABILITY OF TART CHERRY PRODUCTION THROUGH PRECISION MANAGEMENT |
| 67 | \$15,000 | NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA | Galbraith, Chris | HORTICULTURE ANR | EFFECT OF ELECTRICAL WEED CONTROL ON SOIL HEALTH AND CARROT CROP |
| 68 | \$25,529 | JUDY DELAPA | Getter, Kristin | HORTICULTURE ANR | UNRESTRICTED GIFT IN SUPPORT OF THE HORTICULTURE GARDENS |
| 69 | \$100,000 | MICHIGAN CELERY GROWERS RESEARCH COUNCIL | Hayden, Zachary | HORTICULTURE ANR | BUILDING RESILIENCE TO CHANGE IN MICHIGAN CELERY: STRATEGIES FOR WEED, NEMATODE, AND FERTILITY MANAGEMENT |
| 70 | \$25,000 | COMERICA CHARITABLE TRUST | Runkle, Erik | HORTICULTURE ANR | SUPPORT OF ORNAMENTAL FLORICULTURE RESEARCH. |

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| 71 | \$10,000 | MASTERPIECE FLOWER CO LLC | Runkle, Erik | HORTICULTURE ANR | UNRESTRICTED GIFT IN FLORICULTURE RESEARCH |
| 72 | \$12,000 | MICHIGAN NURSERY & LANDSCAPE ASSOC | Saha, Debalina | HORTICULTURE ANR | DEBATING GLYPHOSATE, UNDERSTANDING THE PROMINENCE OF HERBICIDE RESISTANCE AND RESIDUALS IN NURSERIES: SPECIALTY CROPS MATTER!! |
| 73 | \$25,770 | MICHIGAN CRAFT BEVERAGE COUNCIL | Vannocker, Steven | HORTICULTURE ANR | NEW APPLE VARIETIES FOR MICHIGAN HARD CIDER PRODUCTION |
| 74 | \$65,284 | ENVIRONMENTAL RESEARCH & EDUCATION FOUNDATION | Almenar Rosaleny, Eva | PACKAGING | PACKAGING AND HOUSEHOLD FOOD WASTE INTERSECTIONS: FACTS AND CONSUMER AWARENESS |
| 75 | \$298,463 | KRAFT FOODS INC | Auras, Rafael | PACKAGING | ACCELERATED BIODEGRADATION OF ISOTROPIC POLYESTERS AND MULTILAYER HIGH OXYGEN AND WATER BARRIER FILMS |
| 76 | \$185,528 | REMADE INST | Rabnawaz, Muhammad | PACKAGING | DIVERTING MIXED POLYOLEFINS FROM MUNICIPAL SOLID WASTE TO FEEDSTOCKS FOR AUTOMOTIVE AND BUILDING APPLICATIONS |
| 77 | \$130,319 | LOS ALAMOS NATL LABORATORY | Bonito, Gregory | PLANT SOIL AND MICROBIAL SCIENCES | BACTERIAL: FUNGAL INTERACTIONS AND THEIR ROLE IN SOIL FUNCTIONING |
| 78 | \$15,100 | 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 |
| 79 | \$75,000 | PURDUE UNIV | Chilvers, Martin | PLANT SOIL AND MICROBIAL SCIENCES | A MULTI-STATE APPROACH TO ADVANCE INTEGRATED MANAGEMENT TOOLS TO MINIMIZE DISEASE LOSS FROM TAR SPOT ON CORN |
| 80 | \$58,000 | CORN MARKETING PROGRAM OF MICHIGAN | Chilvers, Martin | PLANT SOIL AND MICROBIAL SCIENCES | OPTIMIZING MANAGEMENT OF TAR SPOT |
| 81 | \$35,000 | MICHIGAN CRAFT BEVERAGE COUNCIL | Chilvers, Martin | PLANT SOIL AND MICROBIAL SCIENCES | REDUCING FUNGICIDE INPUTS WITHOUT SACRIFICING LATE SEASON DISEASE MANAGEMENT AND CROP QUALITY IN MICHIGAN HOP AND BARLEY PRODUCTION |
| 82 | \$100,000 | MICHIGAN POTATO INDUSTRY COMMISSION | Douches, David | PLANT SOIL AND MICROBIAL SCIENCES | CLIMATE RESILIENCE IN POTATO: FIELD AND STORAGE ASSESSMENT |
| 83 | \$90,591 | MICHIGAN VEGETABLE COUNCIL | Hausbeck, Mary | PLANT SOIL AND MICROBIAL SCIENCES | GETTING TO THE ROOT OF THE PROBLEM: INCREASING VEGETABLE PLANT ESTABLISHMENT AND PRODUCTIVITY |
| 84 | \$92,370 | GINSENG BOARD OF WISCONSIN | Hausbeck, Mary | PLANT SOIL AND MICROBIAL SCIENCES | FIELD RESEARCH TO SUPPORT A NEW EXPORT MARKET FOR FRESH GINSENG |

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| 85 | \$86,950 | MICHIGAN ASPARAGUS ADVISORY BOARD | Hausbeck, Mary | PLANT SOIL AND MICROBIAL SCIENCES | INCREASING THE PRODUCTIVITY OF MICHIGAN ASPARAGUS THROUGH SUSTAINABLE DISEASE MANAGEMENT TACTICS |
| 86 | \$98,814 | MICHIGAN ONION COMMITTEE | Hausbeck, Mary | PLANT SOIL AND MICROBIAL SCIENCES | COMBINING PEST CONTROL STRATEGIES TO INCREASE QUALITY OF YIELD OF MICHIGAN ONIONS |
| 87 | \$14,520 | AGRICULTURAL RESEARCH SERVICE | Horgan, Brian | PLANT SOIL AND MICROBIAL SCIENCES | ACQUISITION OF GOODS AND SERVICES |
| 88 | \$46,207 | OHIO STATE UNIV | Miesel, Jessica | PLANT SOIL AND MICROBIAL SCIENCES | LAKE STATES FIRE SCIENCE CONSORTIUM |
| 89 | \$133,735 | AGRICULTURAL RESEARCH SERVICE | Miles, Timothy | PLANT SOIL AND MICROBIAL SCIENCES | DEVELOPMENT, VALIDATION AND APPLICATION OF FUNGICIDE RESISTANCE MONITORING TOOLS FOR BOTRYTIS SSP. OF SPECIALTY CROPS |
| 90 | \$40,000 | MICHIGAN CRAFT BEVERAGE COUNCIL | Miles, Timothy | PLANT SOIL AND MICROBIAL SCIENCES | FIELD SCALE MANAGEMENT OF LATE SEASON CLUSTER ROTS TO INCREASE CROP QUALITY OF MICHIGAN WINE GRAPES |
| 91 | \$79,230 | MICHIGAN WHEAT PROGRAM | Olson, Eric | PLANT SOIL AND MICROBIAL SCIENCES | DEVELOPING SOFT WINTER WHEAT VARIETIES FOR MICHIGAN, 2022 |
| 92 | \$44,091 | MICHIGAN WHEAT PROGRAM | Olson, Eric | PLANT SOIL AND MICROBIAL SCIENCES | IMPROVED METHODS FOR ASSESSING PREHARVEST SPROUTING AND APPLICATIONS IN RESISTANT VARIETY DEVELOPMENT |
| 93 | \$10,290 | CORN MARKETING PROGRAM OF MICHIGAN | Patterson, Eric | PLANT SOIL AND MICROBIAL SCIENCES | RAPID LEAF DISK ASSAYS FOR HERBICIDE RESISTANCE DIAGNOSTICS |
| 94 | \$19,965 | CORN MARKETING PROGRAM OF MICHIGAN | Singh, Maninderpal | PLANT SOIL AND MICROBIAL SCIENCES | QUANTIFYING PHYSIOLOGICAL CONSEQUENCES AND MANAGEMENT OPTIONS FOR TAR SPOT IN CORN PRODUCTION |
| 95 | \$19,641 | MICHIGAN CRAFT BEVERAGE COUNCIL | Singh, Maninderpal | PLANT SOIL AND MICROBIAL SCIENCES | ROLE OF PLANTING DATE AND SEEDING RATE IN OPTIMIZING WINTER SURVIVAL, YIELD AND QUALITY OF MALTING BARLEY |
| 96 | \$25,909 | MICHIGAN CRAFT BEVERAGE COUNCIL | Sundin, George | PLANT SOIL AND MICROBIAL SCIENCES | INVESTIGATION OF APPLE FRUIT ROT CONTROL AND OF THE DIVERSITY OF WILD YEAST POPULATIONS ON CIDER AND DESSERT APPLE VARIETIES AND OUTCOMES ON FERMENTATION |
| 97 | \$40,000 | CORN MARKETING PROGRAM OF MICHIGAN | Thompson, Addie | PLANT SOIL AND MICROBIAL SCIENCES | MICHIGAN GENOMES 2 FIELDS: AN ONGOING COLLABORATION WITH NCGA |

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| 98 | \$590,768 | NATIONAL INST OF FOOD & AGRICULTURE | Thompson, Addie | PLANT SOIL AND MICROBIAL SCIENCES | GREAT LAKES TAR SPOT INITIATIVE II: ELUCIDATING MECHANISMS OF RESISTANCE |
| 99 | \$41,500 | OHIO STATE UNIV | Wang, Dechun | PLANT SOIL AND MICROBIAL SCIENCES | SOYGEN2: INCREASING SOYBEAN GENETIC GAIN FOR YIELD BY DEVELOPING TOOLS, KNOW-HOW AND COMMUNITY AMONG PUBLIC BREEDERS IN THE NORTH CENTRAL US |
| 100 | \$100,000 | MICHIGAN CARROT COUNCIL | Zhang, Wei | PLANT SOIL AND MICROBIAL SCIENCES | EVALUATING AND DISSEMINATING SOIL AMENDMENT PRACTICES TO MITIGATE HEAVY METAL UPTAKE BY CARROT |
| 101 | \$20,314 | NATIONAL HOUSING ENDOWMENT | Mollaoglu, Sinem | SCHOOL OF PLANNING DES CONSTRUCTION ANR | 2018 HELP- MSU CONSTRUCTION MANAGEMENT PROGRAM |
| COLLEGE OF ARTS AND LETTERS | | | | | |
| 102 | \$8,000 | SEATTLE CHILDRENS HOSPITAL | Baker Bell, April | ENGLISH | A CROSS-DISCIPLINARY APPROACH TO ANTI-RACIST MEDICAL EDUCATION |
| 103 | \$2,000,000 | THE ANDREW W MELLON FOUNDATION | Figueroa, Yomaira | ENGLISH | DIASPORA SOLIDARITIES LABORATORY |
| 104 | \$99,908 | NATIONAL ENDOWMENT FOR THE HUMANITIES | Sneller, Betsy | LINGUISTICS, LANGUAGES, AND CULTURES | BUILDING AND DISSEMINATING AN APP FOR ETHNOGRAPHIC REMOTE AUDIO RECORDING |
| 105 | \$22,527 | US DEPT OF STATE | Winke, Paula | LINGUISTICS, LANGUAGES, AND CULTURES | INNOVATIONS IN FOREIGN LANGUAGE TEST DESIGN |
| ARTS & HUMANITIES, RESIDENTIAL COLL IN | | | | | |
| 106 | \$30,000 | NATIONAL ENDOWMENT FOR THE ARTS | Macdowell, Marsha | ARTS & HUMANITIES, RESIDENTIAL COLL IN | MICHIGAN TRADITIONAL ARTS APPRENTICESHIP AND MICHIGAN HERITAGE AWARD PROGRAMS |
| ELI BROAD COLLEGE OF BUSINESS | | | | | |
| 107 | \$60,516 | CARNEGIE MELLON UNIV | Susarla, Anjana | ACCOUNTING AND INFORMATION SYSTEMS | LEVERAGING YOUTUBE VIDEO ANALYTICS FOR PATIENT EDUCATION: A DIGITAL THERAPY TOOL FOR CLINICIANS TO RETRIEVE AND SHARE UNDERSTANDABLE VIDEOS ON CHRONIC DISEASE MANAGEMENT |
| 108 | \$36,601 | MICHIGAN ECONOMIC DEVELOPMENT CORP | Kirca, Ahmet | INTERNATIONAL BUSINESS CENTER | MEDC INTERNATIONAL INTERNSHIP PROGRAM |

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| 109 | \$377,064 | US ARMY RESEARCH INST FOR THE BEHAVIORAL & SOCIAL SCIENCES | Morgeson, Frederick | MANAGEMENT | LEADERSHIP AS EVENT MANAGEMENT: TOWARD A CONTEXTUALIZED AND DYNAMIC THEORY OF LEADERSHIP (DOMAINS 3 & 4) |
| 110 | \$28,000 | KOREA TOURISM ORGANIZATION | Kim, Mi Ran | THE SCHOOL OF HOSPITALITY BUSINESS | CURRENT AND FUTURE TRENDS OF K-CULTURE POPULARITY IN THE U.S. AND IMPACTS OF K-CULTURE ON WILLINGNESS TO VISIT KOREA |
| 111 | \$10,000 | STATLER FOUNDATION | Kim, Mi Ran | THE SCHOOL OF HOSPITALITY BUSINESS | IMPACTS AND BENEFITS OF GREEN-CERTIFIED HOTELS: PERSPECTIVES FROM FINANCIAL PERFORMANCE AND EMPLOYEES' JOB PERCEPTIONS AND PERFORMANCE |
| 112 | \$13,400 | STATLER FOUNDATION | Namasivayam, Karthikeyan | THE SCHOOL OF HOSPITALITY BUSINESS | UNDERSTANDING THE IMPACT OF TECHNOLOGICAL ADVANCES ON HOSPITALITY ORGANIZATIONAL STRUCTURE AND DESIGN INCLUDING HUMAN RESOURCE REALLOCATIONS |
| COLLEGE OF COMMUNICATION ARTS SCIENCES | | | | | |
| 113 | \$156,011 | UNIVERSITY OF PENNSYLVANIA | Sanders-Jackson, Ashley | ADVERTISING AND PUBLIC RELATIONS | PROJECT RESIST – INCREASING RESISTANCE TO TOBACCO MARKETING AMONG YOUNG ADULT SEXUAL MINORITY WOMEN USING INOCULATION MESSAGE APPROACHES |
| 114 | \$83,333 | DETROIT PUBLIC TELEVISION | Elkins, Susanne | BROADCASTING SERVICES | DPTV MICHIGAN LEARNING CHANNEL |
| 115 | \$79,493 | CENTERS FOR DISEASE CONTROL & PREVENTION | Dearing, James | COMMUNICATION | DEARING INTERGOVERNMENTAL PERSONNEL ACT (IPA) - CDC/PPEB |
| 116 | \$120,000 | MERIT NETWORK INC | Bauer, Johannes | MEDIA AND INFORMATION | RURAL DIGITAL INEQUITIES AND THE COVID-19 PANDEMIC: EDUCATIONAL ATTAINMENT, STUDENT PERFORMANCE, PSYCHOLOGICAL WELLBEING, AND POST-SECONDARY EDUCATION ASPIRATIONS |
| COLLEGE OF EDUCATION | | | | | |
| 117 | \$125,000 | GOGEBIC ONTONAGON INTERMEDIATE SCHOOL DISTRICT | Beverly, Bryan | CED OUTREACH | BEYOND THE FOCUS GROUP: CULTIVATING STUDENT AGENCY AND LEADERSHIP |
| 118 | \$108,000 | LANSING SCHOOL DISTRICT | Beverly, Bryan | CED OUTREACH | FACILITATOR FOR LANSING SCHOOL DISTRICT STRATEGIC PLANNING |
| 119 | \$360,948 | INST OF EDUCATION SCIENCES | Frank, Kenneth | COUNSELING, EDUC PSYCH & SPEC EDUC | QUANTIFYING THE ROBUSTNESS OF CAUSAL INFERENCES: EXTENSIONS AND APPLICATION TO EXISTING DATABASES |
| 120 | \$40,000 | HOLT PUBLIC SCHOOLS | Plavnick, Joshua | COUNSELING, EDUC PSYCH & SPEC EDUC | HOLT PUBLIC SCHOOLS CONTRACT |

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| 121 | \$120,000 | UNIVERSITY OF WISCONSIN | Umucu, Emre | COUNSELING, EDUC PSYCH & SPEC EDUC | INCREASING STATE VOCATIONAL REHABILITATION AGENCY CAPACITY TO PLACE PERSONS WITH DISABILITIES IN HIGH QUALITY EMPLOYMENT SETTINGS |
| 122 | \$35,000 | AMER EDUCATIONAL RESEARCH ASSOC | Witmer, Sara | COUNSELING, EDUC PSYCH & SPEC EDUC | EXPLORING THE ROLE OF ACCOMMODATION AND ACCESSIBILITY TOOL USE FOR ADDRESSING MATH TEST SCORE VALIDITY CONCERNS |
| 123 | \$75,111 | VARIOUS SCHOOLS | Markle, Barbara | EDUCATION DEAN | K-12 SCHOOL IMPROVEMENT TRAINING |
| 124 | \$50,000 | BRAINSCOPE CO INC | Covassin, Tracey | KINESIOLOGY - ED | EVALUATION AND VALIDATION OF A MULTIMODAL BRAIN FUNCTION BIOMARKER WITH NPC |
| 125 | \$99,996 | MICHIGAN HEALTH ENDOWMENT FUND | Hauck, Janet | KINESIOLOGY - ED | ACCESSIBLE – ONLINE NUTRITION & EXERCISE (A-ONE) |
| 126 | \$275,000 | BOARD OF MEDICINE | Pontifex, Matthew | KINESIOLOGY - ED | DOUBLE-BLIND RANDOMIZED PLACEBO-CONTROLLED TRIAL OF THE EFFICACY OF THE APOLLO SYSTEM FOR CHILDREN WITH ADHD |
| 127 | \$9,995 | AMER COUNCILS FOR INTL EDUCATION | Hartman, Douglas | TEACHER EDUCATION | IMPROVING MULTIMEDIA USE THROUGH DESIGN 2.0: EXTENDING A VIRTUAL PARTNERSHIP FOR CO-DEVELOPING AN INNOVATIVE & SUSTAINABLE TECHNOLOGY CURRICULUM |
| COLLEGE OF ENGINEERING | | | | | |
| 128 | \$9,991 | THOMAS JEFFERSON NATIONAL ACCELERATOR FACILITY | Bieler, Thomas | CHEMICAL ENGINEERING AND MATERIALS SCI | CHARACTERIZATION OF NIOBIUM INGOT SLICES |
| 129 | \$130,337 | NATIONAL SCIENCE FOUNDATION | Cheng, Shiwang | CHEMICAL ENGINEERING AND MATERIALS SCI | SPATIAL GRADIENTS IN DYNAMICS OF NEAR-INTERFACE POLYMERS: EXPERIMENTS AND THEORY |
| 130 | \$12,701 | NANOMAG LLC | Hickey, David | CHEMICAL ENGINEERING AND MATERIALS SCI | COMMERCIALIZATION READINESS PROGRAM (CRP) FOR BIOABSORBABLE MAGNESIUM (MG) IMPLANTS FOR CRANIOMAXILLOFACIAL SURGICAL SYSTEMS |
| 131 | \$74,424 | DOMICO MED-DEVICE | Jayaraman, K | CHEMICAL ENGINEERING AND MATERIALS SCI | CHARACTERIZATION AND FORMING OF COMPOSITES WITH MIXED ARCHITECTURE |
| 132 | \$249,975 | TOYOTA MOTOR CORP | Lunt, Richard | CHEMICAL ENGINEERING AND MATERIALS SCI | HIGHLY EFFICIENT VISIBLY TRANSPARENT SOLAR CELL MODULE FOR BATTERY ELECTRIC VEHICLE DEPLOYMENT |
| 133 | \$555,000 | UBIQUITOUS ENERGY INC | Lunt, Richard | CHEMICAL ENGINEERING AND MATERIALS SCI | TRANSPARENT AND PEROVSKITE SOLAR CELL DEVICES |

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| 134 | \$55,000 | ALFRED P SLOAN FOUNDATION | Mendoza Cortes, Jose | CHEMICAL ENGINEERING AND MATERIALS SCI | PHOTOCHEMICAL AMINE PRODUCTION FROM N2 AND CO2 |
| 135 | \$26,527 | MICHIGAN CRAFT BEVERAGE COUNCIL | Shriner, Nicole | CHEMICAL ENGINEERING AND MATERIALS SCI | EVALUATION OF CORN VARIETIES FOR THE MICHIGAN CRAFT DISTILLING INDUSTRY |
| 136 | \$36,685 | NATIONAL SCIENCE FOUNDATION | Cetin, Bora | CIVIL AND ENVIRONMENTAL ENGINEERING | COLLABORATIVE RESEARCH: ENGINEERED WATER REPELLENCY TO MITIGATE FROST SUSCEPTIBILITY: DECOUPLING OSMOTIC AND MATRIC POTENTIAL |
| 137 | \$398,806 | NATIONAL SCIENCE FOUNDATION | Cetin, Kristen | CIVIL AND ENVIRONMENTAL ENGINEERING | CAREER: IMPROVING THE PARTICIPATION OF DIVERSE RESIDENTIAL BUILDINGS IN DEMAND SIDE MANAGEMENT |
| 138 | \$10,000 | DTE ENERGY | Cetin, Kristen | CIVIL AND ENVIRONMENTAL ENGINEERING | DTE E-CHALLENGE |
| 139 | \$72,000 | US GEOLOGICAL SURVEY | Mantha, Phanikumar | CIVIL AND ENVIRONMENTAL ENGINEERING | CLADOPHORA IN THE GREAT LAKES: FIELD OBSERVATIONS AND MODELING |
| 140 | \$321,706 | NATIONAL SCIENCE FOUNDATION | Pokhrel, Yadu | CIVIL AND ENVIRONMENTAL ENGINEERING | BLUEGEM: BIOSPHERE AND LAND USE EXCHANGES WITH GROUNDWATER AND SOILS IN EARTH SYSTEM MODELS |
| 141 | \$644,896 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Xagorarakis, Irene | CIVIL AND ENVIRONMENTAL ENGINEERING | WASTEWATER SURVEILLANCE AT THE GREAT LAKES WATER AUTHORITY (GLWA) WATER RESOURCE RECOVERY FACILITY (WRRF) AND AT SELECT LOCATIONS IN WAYNE, MACOMB AND OAKLAND COUNTIES: SARS-COV-2 AND VARIANTS |
| 142 | \$25,000 | LOS ALAMOS NATL LABORATORY | Murillo, Michael | COMPUTATIONAL MATH SCI AND ENGR EGR | MACHINE LEARNING IDENTIFICATION FOR KINETIC UPSCALING |
| 143 | \$75,000 | OFFICE OF NAVAL RESEARCH | Kordjamshidi, Parisa | COMPUTER SCIENCE AND ENGINEERING | A DECLARATIVE LEARNING BASED PROGRAMMING FRAMEWORK FOR INTEGRATION OF DOMAIN KNOWLEDGE AND STATISTICAL LEARNING |
| 144 | \$457,904 | NATIONAL SCIENCE FOUNDATION | Liu, Kevin | COMPUTER SCIENCE AND ENGINEERING | CAREER: FUTURE PHYLOGENIES: NOVEL COMPUTATIONAL FRAMEWORKS FOR BIOMOLECULAR SEQUENCE ANALYSIS INVOLVING COMPLEX EVOLUTIONARY ORIGINS |
| 145 | \$70,000 | CISCO SYSTEMS | Liu, Sijia | COMPUTER SCIENCE AND ENGINEERING | BEYOND ADVERSARIAL TRAINING: TOWARDS GENERALIZABLE AND SCALABLE ROBUST DEEP LEARNING |
| 146 | \$1,786,297 | INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY | Liu, Xiaoming | COMPUTER SCIENCE AND ENGINEERING | PHYSICS-DRIVEN MODELING AND LEARNING FOR PERSON RECOGNITION AT A DISTANCE AND ALTITUDE |

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| 147 | \$300,000 | GEORGE MASON UNIV | Ross, Arun | COMPUTER SCIENCE AND ENGINEERING | IDENTITY SCIENCES INTERDISCIPLINARY RESEARCH |
| 148 | \$20,000 | CLARKSON UNIV | Ross, Arun | COMPUTER SCIENCE AND ENGINEERING | MEMBERSHIP SUPPORT FOR CENTER FOR IDENTIFICATION TECHNOLOGY RESEARCH (CITER) |
| 149 | \$72,984 | CISCO SYSTEMS | Tang, Jiliang | COMPUTER SCIENCE AND ENGINEERING | TOWARD FAIRNESS IN ADVERSARIAL DEFENSES |
| 150 | \$46,657 | PENNSYLVANIA STATE UNIV | Tang, Jiliang | COMPUTER SCIENCE AND ENGINEERING | TOWARD INTERPRETABLE AND STABLE GRAPH NEURAL NETWORKS |
| 151 | \$22,330 | KBR | Albrecht, John | ELECTRICAL AND COMPUTER ENGINEERING | DEVELOPMENT OF A HIGH-ELECTRIC FIELD CARRIER MOBILITY MODELING TOOL BASED ON THE FIRST-PRINCIPLES EPW PACKAGE |
| 152 | \$27,728 | FRAUNHOFER USA | Asmussen, Jes | ELECTRICAL AND COMPUTER ENGINEERING | FRAUNHOFER CENTER RENEWAL |
| 153 | \$200,000 | NATIONAL SCIENCE FOUNDATION | Bopardikar, Shaunak | ELECTRICAL AND COMPUTER ENGINEERING | SATC: CORE: SMALL: DATA-DRIVEN ATTACK AND DEFENSE MODELING FOR CYBER-PHYSICAL SYSTEMS |
| 154 | \$170,898 | OFFICE OF NAVAL RESEARCH | Kiumarsi Khomartash, Bahare | ELECTRICAL AND COMPUTER ENGINEERING | TOWARDS HIGH-CONFIDENCE REINFORCEMENT LEARNING ALGORITHMS FOR SAFETY-CRITICAL SYSTEMS VIA DUAL PROCESS THEORY OF REASONING |
| 155 | \$284,721 | LAWRENCE LIVERMORE NATIONAL LABORATORY | Nanzer, Jeffrey | ELECTRICAL AND COMPUTER ENGINEERING | WIRELESS COORDINATION FOR DISTRIBUTED HIGH-POWER MICROWAVE SOURCES |
| 156 | \$7,189 | PRINCETON UNIV | Srivastava, Vaibhav | ELECTRICAL AND COMPUTER ENGINEERING | RESILIENCE AND ROBUSTNESS IN ECOLOGICAL DISTRIBUTED DECISION-MAKING DYNAMICS |
| 157 | \$60,000 | TOYOTA MOTOR CORP | Tan, Xiaobo | ELECTRICAL AND COMPUTER ENGINEERING | PVC GEL ACTUATORS |
| 158 | \$39,985 | GREAT LAKES FISHERY COMMISSION | Tan, Xiaobo | ELECTRICAL AND COMPUTER ENGINEERING | SMART PANEL FOR DETECTION AND DETERRENCE OF SEA LAMPREYS |
| 159 | \$35,097 | GREAT LAKES FISHERY COMMISSION | Tan, Xiaobo | ELECTRICAL AND COMPUTER ENGINEERING | OPEN-SOURCE UNMANNED SURFACE VEHICLE (USV) FOR MOBILE ACOUSTIC TELEMETRY |

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| 160 | \$165,224 | ELECTRIC POWER RESEARCH INST | Udpa, Lalita | ELECTRICAL AND COMPUTER ENGINEERING | SIMULATION MODEL FOR EDDY CURRENT SC TUBE INSPECTION |
| 161 | \$237,458 | MASSACHUSETTS GENERAL HOSPITAL | Gilad, Assaf | INSTITUTE FOR QUANTITATIVE HEALTH | ARTIFICIAL INTELLIGENCE BOOSTED EVOLUTION AND DETECTION OF GENETICALLY ENCODED REPORTERS FOR IN VIVO IMAGING |
| 162 | \$555,742 | NATIONAL INST OF HEALTH | Li, Wen | INSTITUTE FOR QUANTITATIVE HEALTH | MICROFABRICATED ALL-DIAMOND MICROELECTRODE ARRAYS FOR NEUROTRANSMITTER SENSING AND EXTRACELLULAR RECORDING |
| 163 | \$394,215 | 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 |
| 164 | \$230,052 | GLADIATOR BIOSCIENCES | Zinn, Kurt | INSTITUTE FOR QUANTITATIVE HEALTH | MATERIAL TRANSFER AGREEMENT |
| 165 | \$25,000 | UNIVERSITY OF MICHIGAN | Chung, Haseung | MECHANICAL ENGINEERING | NOVEL SMALL MOLECULE FOR IMPROVED DENTAL IMPLANT OSSEointegration |
| 166 | \$52,275 | OREGON STATE UNIV | Klausner, James | MECHANICAL ENGINEERING | A NOVEL ZERO LIQUID DISCHARGE WATER DESALINATION PROCESS USING HUMIDIFICATION-DEHUMIDIFICATION IN A THERMALLY-ACTUATED FLUIDIZED |
| 167 | \$72,000 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Koochesfahani, Manoochehr | MECHANICAL ENGINEERING | PHASE 2: ZBOT-2 THERMOMETRY DIAGNOSTICS DEVELOPMENT |
| 168 | \$11,583 | UNIVERSITY OF KENTUCKY | Lee, Lik-Chuan | MECHANICAL ENGINEERING | MULTISCALE MODELING OF INHERITED CARDIOMYOPATHIES AND THERAPEUTIC INTERVENTIONS |
| 169 | \$131,877 | MASSACHUSETTS INST OF TECH LINCOLN LABS | Mejia, Ricardo | MECHANICAL ENGINEERING | TORSO HEMORRHAGE MANAGEMENT |
| 170 | \$75,000 | OFFICE OF NAVAL RESEARCH | Nadimpalli, Siva | MECHANICAL ENGINEERING | DEVELOPMENT OF STRAIN-BASED HEALTH MONITORING AND THERMAL RUNAWAY DETECTION METHOD |
| COLLEGE OF HUMAN MEDICINE | | | | | |
| 171 | \$8,651 | GLAXOSMITHKLINE | Cole, Craig | CANCER CENTER | PHASE I/II OPEN LABEL DOSE ESCALATION & EXPANSION STUDY TO EVALUATE SAFETY TOLERABILITY & CLINICAL ACTIVITY OF THE ANTIBODY DRUG CONJUGATE GSK2857916 ADMINISTERED IN COMBINATION WITH LENALIDOMIDE |
| 172 | \$5,120 | 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. |

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|-----|-------------|---|---------------------------------|--------------------------------|--|
| 173 | \$50,000 | STEPHANIE H. & DAVID A. SPINA FAMILY FOUNDATION | Custack, Amy | CHM FLINT | EXPANSION OF IN-PERSON AND VIRTUAL HEALTHY COOKING PROGRAMS FOR YOUTH IN FLINT, MICHIGAN |
| 174 | \$55,000 | GREATER FLINT HEALTH COALITION | Furr-Holden, Debra | CHM FLINT | FLINT & GENESEE COUNTY - REACH (RACIAL AND ETHNIC APPROACHES TO COMMUNITY HEALTH) |
| 175 | \$5,524 | EAST TENNESSEE STATE UNIVERSITY | Johnson, Jennifer | CHM FLINT | REDUCING STIGMA AMONG INDIVIDUALS WITH ADDICTION AND STAFF IN THE CRIMINAL JUSTICE SYSTEM: A PILOT FEASIBILITY TRIAL |
| 176 | \$112,110 | NATIONAL INST ON MINORITY HEALTH & HEALTH DISPARITIES | Key, Kent | CHM FLINT | FAMILY HEALTH HISTORIES: CREATING A CULTURALLY TAILORED TOOL TO REDUCE HEALTH DISPARITIES IN THE AFRICAN AMERICAN COMMUNITY |
| 177 | \$5,662 | PARTNERSHIP TO END ADDICTION | Ondersma, Steven | CHM FLINT | DEVELOPING A SCREENING AND BRIEF INTERVENTION PACKAGE TO ADDRESS SUBSTANCE USE RISK IN PREGNANT AND POSTPARTUM WOMEN IN HOME VISITING PROGRAMS |
| 178 | \$150,000 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Ondersma, Steven | CHM FLINT | MICHIGAN STATE OPIOID RESPONSE 2 PROJECT HT2 TECHNOLOGY PROPOSAL (HT2 MI) SAMHSA STATE OPIOID RESPONSE |
| 179 | \$308,454 | NATIONAL INST OF HEALTH | Ondersma, Steven | CHM FLINT | ACCELERATING COLLABORATIVE, CUMULATIVE, AND OPEN INTERVENTION SCIENCE WITH AN E-INTERVENTION AUTHORIZING PLATFORM |
| 180 | \$66,044 | UNIVERSITY OF MICHIGAN | Ondersma, Steven | CHM FLINT | COMPREHENSIVE MC3 FOR MOMS |
| 181 | \$50,000 | BLUE CROSS BLUE SHIELD OF MICHIGAN FOUNDATION | Sneed, Rodlescia | CHM FLINT | HARNESSING EDUCATION AND LIFESTYLE CHANGE TO SUPPORT TRANSITIONAL HEALTH (HEALTH) FOR RETURNING CITIZENS: A PILOT STUDY |
| 182 | \$200,552 | SPECTRUM HEALTH - MSU ALLIANCE CORP | Oostema, John | EMERGENCY MEDICINE | DEVELOPMENT AND IMPLEMENTATION OF A REGIONAL ACUTE LVO STROKE PROTOCOL FOR IDEAL DESTINATION DECISIONS (RAPIDD) |
| 183 | \$69,923 | UNIVERSITY OF MICHIGAN | Bohnert, Kipling | EPIDEMIOLOGY AND BIOSTATISTICS | ASSOCIATION BETWEEN STATE-LEVEL PRESCRIPTION OPIOID LIMITATION LAWS & SUICIDE OUTCOMES |
| 184 | \$19,392 | SEATTLE CHILDRENS HOSPITAL | Brincks, Ahnalee | EPIDEMIOLOGY AND BIOSTATISTICS | USING SMART DESIGN TO IDENTIFY AN EFFECTIVE AND COST-BENEFICIAL APPROACH TO PREVENTING OUD IN JUSTICE-INVOLVED YOUTH. PHASE II APPLICATION. TRANSITION FROM PHASE I (UG3) TO PHASE II (UH3). |
| 185 | \$1,145,818 | NATIONAL INST OF HEALTH | Chen, Honglei | EPIDEMIOLOGY AND BIOSTATISTICS | PESTICIDES, OLFACTION, AND NEURODEGENERATION AMONG US FARMERS |
| 186 | \$64,072 | AMER HEART ASSOC | Hailat, Raed | EPIDEMIOLOGY AND BIOSTATISTICS | DETERMINANTS OF LONG-TERM OUTCOMES AFTER ISCHEMIC STROKE: INSIGHTS FROM LINKED MICHIGAN COVERDELL ACUTE STROKE REGISTRY |
| 187 | \$139,113 | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | Lenski, Madeleine | EPIDEMIOLOGY AND BIOSTATISTICS | ENVIRONMENT, EPIGENETICS, NEURODEVELOPMENT & HEALTH IN EXTREMELY PRETERM CHILDREN |

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|-----|-------------|---|---------------------------------|--|--|
| 188 | \$26,774 | UNIVERSITY OF MICHIGAN | Margerison, Claire | EPIDEMIOLOGY AND BIOSTATISTICS | STRUCTURAL RACISM AND ADVERSE BIRTH OUTCOMES IN THE US SOUTH: A MULTIGENERATIONAL PERSPECTIVE |
| 189 | \$318,695 | UNIVERSITY OF MINNESOTA | Misra, Dawn | EPIDEMIOLOGY AND BIOSTATISTICS | LOOKING BACK TO LOOK FORWARD: SOCIAL ENVIRONMENT ACROSS THE LIFE COURSE, EPIGENETICS, AND BIRTH OUTCOMES IN BLACK FAMILIES |
| 190 | \$42,000 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Misra, Dawn | EPIDEMIOLOGY AND BIOSTATISTICS | COVID-19 MORTALITY REVIEW SUPPORT |
| 191 | \$28,444 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | Vazquez, Ana | EPIDEMIOLOGY AND BIOSTATISTICS | FUNCTIONAL AND INTEGRATIVE OMICS OF RECURRENT GOUT FLARES |
| 192 | \$20,110 | SPECTRUM HEALTH FOUNDATION | Arnetz, Bengt | FAMILY MEDICINE, DEPARTMENT OF | TRANSLATING NEUROSCIENTIFIC STRESS RESEARCH TO ADDRESS COVID-19-INDUCED COGNITIVE DISORDERS |
| 193 | \$25,000 | HENRY FORD HEALTH SYSTEM | Ilardo, Joan | HUMAN MEDICINE DEAN | IMPROVING OLDER ADULT HEALTHCARE IN A VIRTUAL ENVIRONMENT |
| 194 | \$266,602 | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | Knickmeyer, Rebecca | INSTITUTE FOR QUANTITATIVE HEALTH | THE DEVELOPMENT OF GUT MICROBIOTA AND BEHAVIORAL INHIBITION IN CHILDHOOD: THE ROLE OF EARLY STRESS AND BRAIN DEVELOPMENT |
| 195 | \$1,106,714 | NATIONAL INST OF HEALTH | Knickmeyer, Rebecca | INSTITUTE FOR QUANTITATIVE HEALTH | GENETIC INFLUENCES ON INFANT BRAIN DEVELOPMENT: UNDERSTANDING THE DEVELOPMENTAL ORIGINS OF MENTAL ILLNESS |
| 196 | \$417,853 | NATIONAL INST OF HEALTH | Zinn, Kurt | INSTITUTE FOR QUANTITATIVE HEALTH | PREDICTING GLYMPHATIC FUNCTION VIA PET/MR IMAGING BIOMARKERS AND NOSE TO BRAIN CONTRAST DELIVERY |
| 197 | \$17,923 | UNIVERSITY OF MICHIGAN | Rosenman, Kenneth | MEDICINE | SUPERFUND RESEARCH PROGRAM OCCUPATIONAL HEALTH AND SAFETY EDUCATION PROGRAMS ON EMERGING TECHNOLOGIES |
| 198 | \$38,023 | NATIONAL INST OF HEALTH | Fazleabas, Asgerally | OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO | CYTOSKELETAL REGULATION OF THE HIPPO AND NOTCH1 SIGNALING PATHWAYS IN ENDOMETRIAL STROMAL CELL DECIDUALIZATION AND ENDOMETRIOSIS |
| 199 | \$69,975 | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | Jeong, Jaewook | OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO | SIRT1 AS A THERAPEUTIC TARGET IN ENDOMETRIOSIS |
| 200 | \$584,123 | NATIONAL INST OF HEALTH | Jeong, Jaewook | OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO | THE ROLE OF CHOLESTEROL BIOSYNTHESIS IN METASTATIC AND RECURRENT ENDOMETRIAL CANCER |
| 201 | \$532,072 | NATIONAL INST OF HEALTH | Jeong, Jaewook | OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO | EPIGENETIC REGULATION OF RECEPTIVE ENDOMETRIUM |

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|-----|-----------|--|---------------------------------|--|---|
| 202 | \$25,715 | BOSTON CHILDRENS HOSPITAL | Missmer, Stacey | OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO | DEFINING THE ROLE FOR DESCENDING PAIN MODULATION AND REWARD-AVERSION PROCESSES TOWARDS THE DEVELOPMENT OF CHRONIC PAIN IN ENDOMETRIOSIS |
| 203 | \$91,331 | BOSTON CHILDRENS HOSPITAL | Missmer, Stacey | OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO | THE BOSTON CENTER FOR ENDOMETRIOSIS / WOMEN'S HEALTH STUDY: FROM ADOLESCENCE TO ADULTHOOD |
| 204 | \$10,000 | NEZHAT FAMILY FOUNDATION | Missmer, Stacey | OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO | ADVANCING ENDOMETRIOSIS DISCOVERY |
| 205 | \$15,202 | FRED HUTCHINSON CANCER RESEARCH CENTER | Missmer, Stacey | OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO | AN AHEI DIETARY INTERVENTION TO REDUCE PAIN IN WOMEN WITH ENDOMETRIOSIS |
| 206 | \$189,035 | UNIVERSITY OF MICHIGAN | Poland, Cara | OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO | MICHIGAN OPIOID COLLABORATIVE |
| 207 | \$118,228 | NATIONAL CANCER INST | Wilson, Michael | OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO | DOES OBESITY INFLUENCE PROTEIN QUALITY CONTROL IN ENDOMETRIAL CANCER? |
| 208 | \$51,175 | NATIONAL INST OF HEALTH | Chen, Bin | PEDIATRICS AND HUMAN DEVELOPMENT | REPURPOSE OPEN DATA TO DISCOVER THERAPEUTICS FOR UNDERSTUDIED DISEASES |
| 209 | \$50,000 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Karna, Padmani | PEDIATRICS AND HUMAN DEVELOPMENT | VT OXFORD NETWORK PROJECT |
| 210 | \$12,000 | SANOFI PHARMACEUTICAL | Kulkarni, Roshni | PEDIATRICS AND HUMAN DEVELOPMENT | LTS16294: A PHASE 3 OPEN-LABEL, MULTICENTER STUDY OF THE LONG-TERM SAFETY AND EFFICACY OF IV RFVIIIIC-VWF-XTEN; BIVV001 IN PREVIOUSLY TREATED PATIENTS WITH SEVERE HEMOPHILIA A |
| 211 | \$143,961 | SPECTRUM HEALTH - MSU ALLIANCE CORP | Li, Xiaopeng | PEDIATRICS AND HUMAN DEVELOPMENT | PILOT STUDIES FOR FIBROSING LUNG DISEASE THERAPEUTICS CENTER OF EXCELLENCE |
| 212 | \$18,816 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Sigal, Yakov | PEDIATRICS AND HUMAN DEVELOPMENT | PEDIATRIC EPILEPSY ACCESS PROJECT |
| 213 | \$87,196 | NATIONAL CANCER INST | Vaughan, Robert | PEDIATRICS AND HUMAN DEVELOPMENT | CHARACTERIZING GENETIC MODIFIERS IN TUMOR BURDEN OF TUBEROUS SCLEROSIS COMPLEX |
| 214 | \$421,254 | NATIONAL INST OF HEALTH | Mahmoudi, Morteza | RADIOLOGY HUMAN MEDICINE | A NANOSTRUCTURED SKIN PATCH TO HEAL CHRONIC WOUNDS |

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| 215 | \$775,801 | NATIONAL CANCER INST | Moore, Anna | RADIOLOGY HUMAN MEDICINE | THERAPY FOR METASTATIC BREAST CANCER BASED ON MICRO RNA SILENCING |
| 216 | \$235,035 | NATIONAL CANCER INST | Moore, Anna | RADIOLOGY HUMAN MEDICINE | NOVEL PROSTATE CANCER THERAPY BASED ON M-ACONITASE INHIBITION |
| 217 | \$6,721,226 | NATIONAL INST OF HEALTH | Moore, Anna | RADIOLOGY HUMAN MEDICINE | LARGE ANIMAL FACILITY FOR IMAGING AND IMAGE-GUIDED THERAPIES AT MSU |
| 218 | \$598,928 | NATIONAL INST OF HEALTH | Sempere, Lorenzo | RADIOLOGY HUMAN MEDICINE | IMAGE-GUIDED INTRADUCTAL ABLATIVE PROCEDURE FOR PRIMARY PREVENTION OF BREAST CANCER |
| 219 | \$159,867 | VAN BUREN CASS DISTRICT HEALTH DEPT | Ilardo, Joan | THE INSTITUTE FOR HEALTH POLICY | AGING HEALTH EQUITY AND POLICY PLANNING PROJECT |
| 220 | \$399,900 | UNIVERSITY OF MICHIGAN | Kanaan, Nicholas | TRANSLATIONAL NEUROSCIENCE | MICHIGAN ALZHEIMER'S DISEASE RESEARCH CENTER |
| 221 | \$12,520 | BRIGHT MINDS BIOSCIENCES | Morgan, David | TRANSLATIONAL NEUROSCIENCE | EFFECTS OF BMB TEST AGENT ON BEHAVIOR IN AMYLOID MICE |
| COLLEGE OF MUSIC | | | | | |
| 222 | \$15,000 | PNC FOUNDATION | Demott, Jaime | COMMUNITY MUSIC SCHOOL | EARLY MUSIC, EARLY LEARNING |
| COLLEGE OF NATURAL SCIENCE | | | | | |
| 223 | \$339,628 | NATIONAL INST OF HEALTH | Feig, Michael | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | MODELING AND DYNAMICS OF BIOMOLECULES ON CELLULAR SCALES |
| 224 | \$293,835 | NATIONAL SCIENCE FOUNDATION | Kroos, Lee | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | MECHANISMS DRIVING EMERGENT BEHAVIORS DURING MYXOCOCCUS XANTHUS DEVELOPMENT |
| 225 | \$274,461 | 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 |
| 226 | \$109,683 | YAKULT HONSHA CO LTD | Quinn, Robert | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | UNDERSTANDING THE ROLE OF MICROBIALLY-CONJUGATED BILE ACIDS IN THE DEVELOPING HUMAN GUT |
| 227 | \$277,006 | NATIONAL INST OF HEALTH | Huang, Xuefei | CHEMISTRY | ENABLING SYNTHESIS AND BIOLOGICAL STUDIES OF HOMOGENEOUS HEPARAN SULFATE AND CHONDROITIN SULFATE GLYCO-POLYPEPTIDES AND PROTEOGLYCANS |
| 228 | \$333,536 | NATIONAL INST OF HEALTH | Sun, Liangliang | CHEMISTRY | QUANTITATIVE TOP-DOWN PROTEOMICS OF HUMAN COLORECTAL CANCER CELLS AND TUMORS |
| 229 | \$399,398 | NATIONAL SCIENCE FOUNDATION | Swain, Greg | CHEMISTRY | REU SITE: CROSS DISCIPLINARY TRAINING IN SUSTAINABLE CHEMISTRY AND CHEMICAL PROCESSES |

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|-----|-----------|--|---------------------------------|-------------------------------------|---|
| 230 | \$111,529 | NATIONAL SCIENCE FOUNDATION | Appelo, Daniel | COMPUTATIONAL MATH SCI AND ENGR CNS | NUMERICAL METHODS FOR WAVE EQUATIONS IN TIME AND FREQUENCY DOMAIN |
| 231 | \$13,031 | NATIONAL RESEARCH COUNCIL CANADA | Hirn, Matthew | COMPUTATIONAL MATH SCI AND ENGR CNS | GENERATIVE MODELS FOR THE INTEGRATED PHOTONIC COMPONENTS |
| 232 | \$95,977 | NATIONAL SCIENCE FOUNDATION | Munch, Elizabeth | COMPUTATIONAL MATH SCI AND ENGR CNS | CAREER: REEB GRAPH LEARNING: CLASSIFICATION, CLUSTERING, AND EMBEDDING OF GRAPHICAL SIGNATURES |
| 233 | \$220,800 | WATTTIME | Basso, Bruno | EARTH AND ENVIRONMENTAL SCIENCES | ESTIMATING COUNTRY-LEVEL DIRECT N2O EMISSIONS FROM MANAGED AGRICULTURAL SOILS (PHASE 2) |
| 234 | \$70,513 | NATIONAL SCIENCE FOUNDATION | Dorfman, Susannah | EARTH AND ENVIRONMENTAL SCIENCES | CAREER: EXPERIMENTAL CONSTRAINTS ON CARBON-IRON REDOX INTERACTION IN EARTH'S DEEP LOWER MANTLE |
| 235 | \$53,600 | US GEOLOGICAL SURVEY | Elliott, Julie | EARTH AND ENVIRONMENTAL SCIENCES | IPA AGREEMENT WITH US GEOLOGICAL SURVEY |
| 236 | \$16,988 | AIR FORCE RESEARCH LABORATORY | Mackey, Kevin | EARTH AND ENVIRONMENTAL SCIENCES | GROUND TRUTH CHARACTERIZATION AND SEISMOLOGICAL STUDIES OF NORTHERN ASIA |
| 237 | \$212,528 | CALIFORNIA DEPT OF WATER RESOURCES | Meek, Mariah | INTEGRATIVE BIOLOGY | UNDERSTANDING THE INTERACTIONS BETWEEN FLOODPLAIN HABITAT USE AND LIFE HISTORY DIVERSITY IN CENTRAL VALLEY CHINOOK SALMON |
| 238 | \$72,441 | YUBA WATER AGENCY | Meek, Mariah | INTEGRATIVE BIOLOGY | UNDERSTANDING THE GENETIC BASIS FOR RUN TIMING AND UPSTREAM PASSAGE IN THE YUBA RIVER |
| 239 | \$152,267 | STATE OF CALIFORNIA | Meek, Mariah | INTEGRATIVE BIOLOGY | ESTIMATING JUVENILE PRODUCTION OF SPRING CHINOOK SALMON LEAVING THE DELTA |
| 240 | \$398,004 | NATIONAL SCIENCE FOUNDATION | Evans, Sarah | KELLOGG BIOLOGICAL STATION NAT SCI | REU SITE: UNDERSTANDING BIOLOGICAL RESPONSES TO GLOBAL CHANGE IN A FIELD STATION COMMUNITY |
| 241 | \$50,000 | WILBURFORCE FOUNDATION | Haddad, Nicholas | KELLOGG BIOLOGICAL STATION NAT SCI | VISION FOR CONSERVATION CORRIDOR, 2022-2023 |
| 242 | \$937,500 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | DiRita, Victor | MICROBIOLOGY MOLECULAR GENETICS CNS | MSU-MI-SAPPHIRE GENOMIC SURVEILLANCE PROPOSAL |

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| 243 | \$907,449 | NATIONAL INST OF HEALTH | O'Halloran, Thomas | MICROBIOLOGY MOLECULAR GENETICS CNS | RESOURCE FOR QUANTITATIVE ELEMENTAL MAPPING FOR THE LIFE SCIENCES |
| 244 | \$446,531 | NATIONAL INST OF HEALTH | O'Halloran, Thomas | MICROBIOLOGY MOLECULAR GENETICS CNS | REGULATORY ROLES OF ZINC FLUXES IN METALLOPROTEIN OCCUPANCY AND CELL CYCLE PROGRESSION |
| 245 | \$11,694 | WASHINGTON STATE UNIV | Reguera, Gemma | MICROBIOLOGY MOLECULAR GENETICS CNS | PLANNING GRANT: ENGINEERING RESEARCH CENTER FOR ELECTROSYMBIOTIC ENGINEERING, DESIGN, AND TECHNOLOGY (CEED-TECH) |
| 246 | \$237,789 | WRIGHT BROTHERS INST | Shade, Ashley | MICROBIOLOGY MOLECULAR GENETICS CNS | MICROBIOME ASSESSMENT OF SOILS DURING BIOCEMENTATION FOR ENABLING AGILE AIRFIELD INFRASTRUCTURE |
| 247 | \$578,706 | NATIONAL INST OF HEALTH | Waters, Christopher | MICROBIOLOGY MOLECULAR GENETICS CNS | THE CONTRIBUTION OF NOVEL CYTIDINE DEAMINASE REGULATORY SYSTEMS TO BACTERIAL EVOLUTION |
| 248 | \$472,872 | NATIONAL INST OF HEALTH | Waters, Christopher | MICROBIOLOGY MOLECULAR GENETICS CNS | EXPLORING CYCLIC DI-NUCLEOTIDE SIGNALING ACROSS THE TREE OF LIFE |
| 249 | \$65,691 | THE RESEARCH FOUNDATION FOR THE STATE UNIV OF NEW YORK | Brock, Raymond | PHYSICS ASTRONOMY | US ATLAS OPERATIONS: DISCOVERY AND MEASUREMENT AT THE ENERGY FRONTIER |
| 250 | \$119,887 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Brown, Edward | PHYSICS ASTRONOMY | THE COMPLEX GEOLOGY OF A NEUTRON STAR'S CRUST |
| 251 | \$205,846 | UNIVERSITY OF MICHIGAN | Hayden, Daniel | PHYSICS ASTRONOMY | ATLAS GREAT LAKES TIER 2 CENTER |
| 252 | \$67,409 | NATIONAL SCIENCE FOUNDATION | Lin, Huey-Wen | PHYSICS ASTRONOMY | AGEP SUPPLEMENT TO CAREER: CONSTRAINING PARTON DISTRIBUTION FUNCTIONS FOR NEW-PHYSICS SEARCHES |
| 253 | \$396,543 | NATIONAL SCIENCE FOUNDATION | Pollanen, Johannes | PHYSICS ASTRONOMY | CAREER: CIRCUIT QUANTUM OPTICS WITH PIEZOELECTRIC SURFACE ACOUSTIC WAVES |
| 254 | \$50,000 | EEROQ INC | Pollanen, Johannes | PHYSICS ASTRONOMY | PHASE 3: ON-CHIP CHARGE SENSOR FOR SINGLE ELECTRON DETECTION |
| 255 | \$243,273 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Rodriguez, Joseph | PHYSICS ASTRONOMY | THE K2 & TESS SYNERGY: UNITING NASA'S PLANET HUNTERS |

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| 256 | \$22,000 | LAWRENCE BERKELEY NATIONAL LABORATORY | Whitehorn, Nathan | PHYSICS ASTRONOMY | CMB-S4 WBS 1.08 DATA ACQUISITION |
| 257 | \$29,980 | CHANDRA SCIENCE CENTER | Zepf, Stephen | PHYSICS ASTRONOMY | THE LMXB POPULATION OF NGC 3998: TESTING FOR AN EXTREME IMF |
| 258 | \$363,363 | NATIONAL INST OF HEALTH | Gulbransen, Brian | PHYSIOLOGY NATURAL SCIENCE | ENTERIC GLIA AND VISCERAL PAIN |
| 259 | \$110,467 | UNIVERSITE LIBRE DE BRUXELLES | Laumet, Geoffroy | PHYSIOLOGY NATURAL SCIENCE | INVESTIGATE THE IMPACT OF PRDM12 GENETIC DELETION ON NEUROPATHIC PAIN |
| 260 | \$368,737 | NATIONAL INST OF HEALTH | Leininger, Gina | PHYSIOLOGY NATURAL SCIENCE | ROLE OF LATERAL HYPOTHALAMIC NEUROTENSIN NEURONS IN ENERGY BALANCE |
| 261 | \$200,000 | NATIONAL INST OF HEALTH | Subramanian, Hariharan | PHYSIOLOGY NATURAL SCIENCE | THE NHERF1-STIM1-ORAI1 AXIS REGULATES MRGPRX2 RESPONSES IN MAST CELLS |
| 262 | \$403,317 | NATIONAL INST OF HEALTH | Wang, Hongbing | PHYSIOLOGY NATURAL SCIENCE | NONCONVENTIONAL ROLE OF ADCY IN GQ-MEDIATED NEURONAL SIGNALING AND NEUROPLASTICITY |
| 263 | \$8,059 | NATIONAL SCIENCE FOUNDATION | Brudvig, Lars | PLANT BIOLOGY CNS | RESOLVING DRIVERS OF VARIATION IN GRASSLAND COMMUNITY ASSEMBLY AND RESTORATION |
| 264 | \$10,728 | NATIONAL SCIENCE FOUNDATION | Farre, Eva | PLANT BIOLOGY CNS | MCA-PGR: CYCLING BELOW-GROUND: CIRCADIAN REGULATION IN WILD AND DOMESTICATED POTATO |
| 265 | \$3,750,000 | US DEPT OF ENERGY | Benning, Christoph | PLANT RESEARCH LABORATORY NAT SCIENCE | PHOTOSYNTHETIC ENERGY CAPTURE, CONVERSION AND STORAGE: FROM FUNDAMENTAL MECHANISMS TO MODULAR ENGINEERING |
| 266 | \$20,000 | US DEPT OF ENERGY | Brandizzi, Federica | PLANT RESEARCH LABORATORY NAT SCIENCE | IX CELL WALL RESEARCH CONFERENCE 2022 (IXCWR): CELL WALL RESEARCH FOR NEW FUNDAMENTAL DISCOVERIES AND APPLICATIONS IN PLANT BIOLOGY |
| 267 | \$93,271 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Brandizzi, Federica | PLANT RESEARCH LABORATORY NAT SCIENCE | LIFE BEYOND EARTH: EFFECT OF SPACE FLIGHT ON SEEDS WITH IMPROVED NUTRITIONAL VALUE |
| 268 | \$318,855 | WAGENINGEN UR | Kramer, David | PLANT RESEARCH LABORATORY NAT SCIENCE | PLANT PHOTOSYNTHESIS RESPONSES TO FLUCTUATING LIGHT |
| 269 | \$26,115 | ARGONNE NATIONAL LABORATORY | Maiti, Tapabrata | STATISTICS PROBABILITY | ROBUST AND EFFICIENT LEARNING WITH SPARSE BAYESIAN NEURAL NETWORKS |
| 270 | \$15,019 | ARGONNE NATIONAL LABORATORY | Maiti, Tapabrata | STATISTICS PROBABILITY | INFORMATION-THEORETIC BAYESIAN LEARNING WITH INFORMATION BOTTLENECK AND PROBABILISTIC LATENT DIMENSION ENCODING |
| COLLEGE OF OSTEOPATHIC MEDICINE | | | | | |

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|----------------------------------|-------------|---|---------------------------------|---------------------------------|---|
| 271 | \$12,000 | MEDTRONIC INC | Young, Deborah | COM STATEWIDE CAMPUS SYSTEM | WSU/MSU SINUS AND SKULL BASE DISSECTION COURSE |
| 272 | \$15,000 | DJO LLC | Dietzel, Douglas | DEPARTMENT OF ORTHOPEDICS COM | POST-PROFESSIONAL ATHLETIC TRAINING RESIDENCY |
| 273 | \$7,235 | COOLTECH LLC | Charleston, Larry | NEUROLOGY AND OPHTHALMOLOGY COM | A TRANSNASAL EVAPORATIVE COOLING DEVICE FOR ACUTE TREATMENT OF MIGRAINE |
| 274 | \$17,426 | RA PHARMACEUTICALS INC | Sachdev, Amit | NEUROLOGY AND OPHTHALMOLOGY COM | A PHASE 3, MULTICENTER, OPEN-LABEL EXTENSION STUDY OF ZILUCOPLAN IN SUBJECTS WITH GENERALIZED MYASTHENIA GRAVIS |
| 275 | \$32,036 | AMER HEART ASSOC | Chambers, Laura | PHARMACOLOGY TOXICOLOGY | THE ROLE OF BIOLOGICAL SEX ON CEREBROVASCULAR TRPV4 FUNCTION AND COGNITION IN HYPERTENSION |
| 276 | \$99,238 | GREAT LAKES FISHERY COMMISSION | Ellsworth, Edmund | PHARMACOLOGY TOXICOLOGY | DESIGN AND SYNTHESSES OF POTENT ANTAGONISTS OF 3KPZS THROUGH MEDICINAL CHEMISTRY OPTIMIZATION |
| 277 | \$70,800 | UNIVERSITY OF MINNESOTA | Fink, Gregory | PHARMACOLOGY TOXICOLOGY | AFFERENT RENAL NERVES, RENAL INFLAMMATION, AND HYPERTENSION |
| 278 | \$313,359 | NATIONAL INST OF HEALTH | Liby, Karen | PHARMACOLOGY TOXICOLOGY | NRF2, IMMUNE CELLS AND LUNG CANCER |
| 279 | \$391,250 | US DEPT OF THE ARMY | Mendes Leal, Ana Sofia | PHARMACOLOGY TOXICOLOGY | NRF2 PATHWAY ACTIVATION IN THE LUNG TUMOR MICROENVIRONMENT MACROPHAGES |
| 280 | \$2,695,451 | NATIONAL INST OF HEALTH | Watts, Stephanie | PHARMACOLOGY TOXICOLOGY | PERIVASCULAR ADIPOSE TISSUE (PVAT) AS A CENTRAL INTEGRATOR OF VASCULAR HEALTH |
| 281 | \$382,667 | NATIONAL INST OF HEALTH | Watts, Stephanie | PHARMACOLOGY TOXICOLOGY | 5-HT7 RECEPTOR AND BLOOD PRESSURE REGULATION |
| 282 | \$566,539 | NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT | Boivin, Michael | PSYCHIATRY OSTEOPATHIC MEDICINE | CULTURE-SPECIFIC NEURODEVELOPMENTAL ASSESSMENT OF HIV-AFFECTED CHILDREN |
| 283 | \$39,720 | 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 |
| COLLEGE OF SOCIAL SCIENCE | | | | | |
| 284 | \$46,989 | SPENCER FOUNDATION | Howard, Heather | ANTHROPOLOGY SOCIAL SCIENCE | SPECIAL EDUCATION IN INDIAN COUNTRY: CHALLENGES AND INSIGHTS FROM APPLYING INDIGENOUS MODELS OF DISABILITY IN SCHOOLS |
| 285 | \$75,663 | GEORGE MASON UNIV | Holt, Thomas | CRIMINAL JUSTICE | UNDERSTANDING THE ECONOMY AND SOCIAL ORGANIZATION FOR THE UNDERGROUND MARKET FOR CYBERCRIME AS A SERVICE |

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|-----|-----------|---|---------------------------------|--|---|
| 286 | \$43,612 | JOHNS HOPKINS UNIV | Zeoli, April | CRIMINAL JUSTICE | THE ROLL OF PERMIT TO PURCHASE IN THE PRIMARY PREVENTION OF MULTIPLE FORMS OF VIOLENCE |
| 287 | \$46,812 | NATIONAL SCIENCE FOUNDATION | Barnwal, Prabhat | ECONOMICS | COLLABORATIVE RESEARCH: INFORMAL RISK-SHARING AND PRIVATE INITIATIVE TO MITIGATE LOCAL ENVIRONMENTAL RISKS |
| 288 | \$9,000 | MICHIGAN BREASTFEEDING NETWORK | Grady, Sue | GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES | MI BREASTFEEDING NETWORK RESEARCH TO DR. SUE GRADY |
| 289 | \$9,910 | UNIVERSITY OF WISCONSIN | Schaetzl, Randall | GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES | STATEMAP 2021: MAPPING AND GEOLOGIC DATA OF PRIORITY AREAS IN WISCONSIN |
| 290 | \$172,421 | UNIVERSITY OF ILLINOIS | Theuerkauf, Ethan | GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES | SUSTAINABLE NEARSHORE MANAGEMENT SOLUTIONS TO PREVENT CRITICAL HABITAT LOSS AT ILLINOIS BEACH STATE PARK, PHASE 2 |
| 291 | \$71,782 | UNIVERSITY OF MICHIGAN | Andresen, Jeffrey | GLOBAL CHG AND EARTH OBSERVATION CTR FOR | GREAT LAKES INTEGRATED SCIENCE AND ASSESSMENTS (GLISA) |
| 292 | \$38,000 | AMER COUNCILS FOR INTL EDUCATION | Chen, Jiquan | GLOBAL CHG AND EARTH OBSERVATION CTR FOR | ADVANCING KEY CURRICULUMS OF ECOLOGY AND ENVIRONMENTAL SCIENCES IN RURAL KAZAKHSTAN UNIVERSITIES |
| 293 | \$264,674 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Chen, Jiquan | GLOBAL CHG AND EARTH OBSERVATION CTR FOR | INTERDEPENDENT DYNAMICS OF FOOD, ENERGY AND WATER IN KAZAKHSTAN AND MONGOLIA: CONNECTING LULCC TO THE TRANSITIONAL SOCIOECOLOGICAL SYSTEMS |
| 294 | \$170,610 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Henebry, Geoffrey | GLOBAL CHG AND EARTH OBSERVATION CTR FOR | ATMOSPHERIC TELECONNECTIONS AND ANTHROPOGENIC TELECOUPLINGS DRIVE LAND CHANGE IN CENTRAL ASIAN HIGHLANDS: HOW ENVIRONMENTAL CHANGES, MIGRATION, AND REMITTANCES THREATEN MONTANE AGROPASTORALIST... |
| 295 | \$33,983 | SOUTH DAKOTA STATE UNIV | Henebry, Geoffrey | GLOBAL CHG AND EARTH OBSERVATION CTR FOR | MAINTENANCE, EVOLUTION, AND VALIDATION OF THE GLOBAL LAND SURFACE PHENOLOGY PRODUCT FROM SUOMI NPP AND JPSS VIIRS OBSERVATIONS |
| 296 | \$18,900 | UNIVERSITY OF MARYLAND | Roy, David | GLOBAL CHG AND EARTH OBSERVATION CTR FOR | SUPPORT AND MAINTENANCE OF S-NPP AND JPSS VIIRS GLOBAL ACTIVE FIRE AND BURNED AREA EARTH SYSTEM DATA RECORDS |

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|-----|-----------|---|---------------------------------|--|---|
| 297 | \$18,900 | UNIVERSITY OF IDAHO | Roy, David | GLOBAL CHG AND EARTH OBSERVATION CTR FOR | IS THE WORLD BURNING LESS? DISENTANGLING DECADAL TRENDS, INTER-ANNUAL FIRE VARIABILITY AND PRODUCT UNCERTAINTIES, THROUGH HARMONIZATION OF THE NASA MODIS AND VIIRS FIRE PRODUCT RECORD |
| 298 | \$259,417 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Yan, Lin | GLOBAL CHG AND EARTH OBSERVATION CTR FOR | FORCED AND TRUNCATED AGRARIAN TRANSITIONS IN ASIA THROUGH THE LENS OF FIELD SIZE CHANGE |
| 299 | \$89,203 | CACS HEAD START | Linscott, Laurie | HUMAN DEVELOPMENT AND FAMILY STUDIES CSS | HEAD START PRESCHOOL SERVICES - EAST LANSING |
| 300 | \$78,510 | INGHAM INTERMEDIATE SCHOOL DISTRICT | Linscott, Laurie | HUMAN DEVELOPMENT AND FAMILY STUDIES CSS | INGHAM GREAT START READINESS PROGRAM |
| 301 | \$176,011 | MICHIGAN DEPT OF EDUCATION | Linscott, Laurie | HUMAN DEVELOPMENT AND FAMILY STUDIES CSS | CHILD CARE STABILIZATION GRANT - EAST LANSING |
| 302 | \$101,766 | CACS HEAD START | Linscott, Laurie | HUMAN DEVELOPMENT AND FAMILY STUDIES CSS | HEAD START PRESCHOOL SERVICES - HASLETT |
| 303 | \$122,250 | MICHIGAN DEPT OF EDUCATION | Linscott, Laurie | HUMAN DEVELOPMENT AND FAMILY STUDIES CSS | CHILD CARE STABILIZATION GRANT - HASLETT |
| 304 | \$85,368 | UNIVERSITY OF MICHIGAN | Vallotton, Claire | HUMAN DEVELOPMENT AND FAMILY STUDIES CSS | GREAT FIRST 8 INFANT TODDLER CURRICULUM PROJECT |
| 305 | \$19,550 | JOBS WITH JUSTICE EDUCATION FUND | Tapia Y Van Maldeghem, Maite | HUMAN RESOURCES AND LABOR RELATIONS | UNDERSTANDING WORKER ORGANIZING AT AMAZON FACILITIES. |
| 306 | \$14,904 | UNIVERSITY OF VIRGINIA | Rehberger, Dean | MATRIX HUM ARTS LETTERS SOC SCI ONLINE | SOCIAL NETWORKS AND ARCHIVAL CONTEXT COOPERATIVE (SNAC): PILOT PHASE III |
| 307 | \$65,000 | RTI INTL | Campbell, Rebecca | PSYCHOLOGY SOCIAL SCIENCE | FY19 NATIONAL SEXUAL ASSAULT KIT INITIATIVE TRAINING AND TECHNICAL ASSISTANCE (TTA) |

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|-----|-------------|--|---------------------------------|--|--|
| 308 | \$195,771 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Gregory, Katie | PSYCHOLOGY SOCIAL SCIENCE | CAPACITY BUILDING TRAINING PROJECT |
| 309 | \$46,616 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Gregory, Katie | PSYCHOLOGY SOCIAL SCIENCE | TRAINING NEEDS ASSESSMENT FOR THE VICTIM ADVOCACY NETWORK |
| 310 | \$40,000 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Gregory, Katie | PSYCHOLOGY SOCIAL SCIENCE | HUMAN TRAFFICKING TRAINING PROJECT |
| 311 | \$43,327 | FLORIDA STATE UNIV | Miller, Robin | PSYCHOLOGY SOCIAL SCIENCE | SCALE IT UP: EFFECTIVENESS IMPLEMENTATION RESEARCH TO ENHANCE HIV-RELATED SELF-MANAGEMENT AMONG ADOLESCENTS AND YOUNG ADULTS |
| 312 | \$33,377 | NATIONAL INST OF HEALTH | Shewark, Elizabeth | PSYCHOLOGY SOCIAL SCIENCE | NEIGHBORHOOD, GENOTYPE, AND DEVELOPMENT |
| 313 | \$172,496 | INGHAM COUNTY | Sullivan, Cris | PSYCHOLOGY SOCIAL SCIENCE | INGHAM COUNTY ADOLESCENT DIVERSION PROJECT |
| 314 | \$75,000 | WASHINGTON STATE COALITION AGAINST DOMESTIC VIOLENCE | Sullivan, Cris | PSYCHOLOGY SOCIAL SCIENCE | DVHF 24-MONTH FOLLOWUP |
| 315 | \$416,312 | NATIONAL INST OF HEALTH | Thakkar, Katharine | PSYCHOLOGY SOCIAL SCIENCE | VISUAL PERCEPTION AS A WINDOW ONTO PREDICTION ANOMALIES IN SCHIZOPHRENIA |
| 316 | \$393,605 | NATIONAL INST OF HEALTH | Veenema, Alexa | PSYCHOLOGY SOCIAL SCIENCE | OXYTOCIN NEURAL CIRCUITRY INVOLVEMENT IN JUVENILE SOCIAL PLAY |
| 317 | \$60,000 | UNIVERSITY OF WISCONSIN MADISON | Nevarez Martinez, Deyanira | SCHOOL OF PLANNING DES CONSTRUCTION CSS | EMERGING POVERTY SCHOLARS FELLOWSHIP |
| 318 | \$1,134,406 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Brock, Michele | SOCIAL WORK | KINSHIP SUPPORT PROGRAM |
| 319 | \$26,948 | UNIVERSITY OF WISCONSIN MILWAUKEE | Kennedy, Angie | SOCIAL WORK | USING THE LIFE HISTORY CALENDAR TO EXAMINE YOUNG TRANSGENDER WOMEN'S TRAJECTORIES OF VIOLENCE, MENTAL HEALTH, AND PROTECTIVE PROCESSES |
| 320 | \$58,153 | SPAULDING FOR CHILDREN | Klein, Sacha | SOCIAL WORK | KINSHIP NETWORK DEVELOPMENT, EMPOWERMENT AND RESILIENCE PLUS CONNECTION AND RELATIONSHIP ENHANCEMENT THROUGH SHARED PARENTING – KINDER-CARES |
| 321 | \$55,000 | BLUE CROSS BLUE SHIELD OF MICHIGAN FOUNDATION | McCauley, Heather | SOCIAL WORK | EVALUATION OF THE PUBLIC WILL CAMPAIGN TO END CHILD SEXUAL ABUSE |

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| ASC PROVOST FOR UNDERGRADUATE EDUCATION | | | | | |
| 322 | \$275,000 | MICHIGAN DEPT OF EDUCATION | Lack, Bruce | MIGRANT STUDENT SERVICES | MSU ID&R CENTER - MIGRANT EDUCATION PROGRAM IDENTIFICATION, RECRUITMENT & REPORTING CENTERS |
| COLLEGE OF VETERINARY MEDICINE | | | | | |
| 323 | \$180,000 | AGRICULTURE & FOOD RESEARCH INITIATIVE | Contreras, Andres | LARGE ANIMAL CLINICAL SCIENCES | ISOPROSTANES MITIGATE OXIDATIVE STRESS IN BOVINE VASCULAR ENDOTHELIUM DURING INFLAMMATION |
| 324 | \$93,909 | NATIONAL INST OF HEALTH | Ewart, Susan | LARGE ANIMAL CLINICAL SCIENCES | INCREASING DIVERSITY IN EXPERIENTIAL RESEARCH EDUCATION AT MICHIGAN STATE UNIVERSITY |
| 325 | \$100,267 | UNIVERSITY OF MEMPHIS | Ewart, Susan | LARGE ANIMAL CLINICAL SCIENCES | DOES EPIGENETIC METHYLATION EXPLAIN THE GENDER-SWITCH IN ADOLESCENT ASTHMA? |
| 326 | \$145,844 | US FISH & WILDLIFE SERVICE | Gorgoglione, Bartolomeo | PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM | IMPROVE PKD DIAGNOSTICS AND ASSESS THE IMPACT OF TETRACAPSULOIDES BRYOSALMONAE INFECTION ON NORTH AMERICAN SALMONIDS |
| 327 | \$374,901 | NATIONAL INST OF HEALTH | Luyendyk, James | PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM | NOVEL DETERMINANTS OF FIBRINOGEN PRO-REPAIR ACTIVITY IN ACETAMINOPHEN-INDUCED LIVER TOXICITY |
| 328 | \$246,461 | MICHIGAN DEPT OF NATURAL RESOURCES | Sreevatsan, Srinand | PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM | A MULTICENTER VALIDATION OF RT-QUIC ASSAY FOR SENSITIVE DETECTION OF CHRONIC WASTING DISEASE |
| 329 | \$1,517,749 | NATIONAL INST OF HEALTH | Petersen-Jones, Simon | SMALL ANIMAL CLINICAL SCIENCES | TRANSLATIONAL GENE THERAPY FOR CNGB1 RETINITIS PIGMENTOSA |
| 330 | \$203,409 | ANIMAL & PLANT HEALTH INSPECTION SERVICE | Bolin, Steven | VETERINARY DIAGNOSTIC LABORATORY | WEB-BASED SAMPLE SUBMISSION FOR FOREIGN ANIMAL DISEASE INVESTIGATIONS |
| 331 | \$44,491 | FOOD & DRUG ADMINISTRATION | Dodd, Kimberly | VETERINARY DIAGNOSTIC LABORATORY | MICHIGAN STATE UNIVERSITY VDL VET-LIRN 2021 |
| 332 | \$7,878 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Dodd, Kimberly | VETERINARY DIAGNOSTIC LABORATORY | BIOTERRORISM PREPAREDNESS - DIAGNOSTIC CTR FOR POPULATION AND ANIMAL HEALTH |
| 333 | \$125,013 | STATE OF MICHIGAN | Mejia Abreu, Hilda | VETERINARY MEDICINE DEAN | DEVELOPING MICHIGAN'S PIPELINE TO VETERINARY MEDICAL EDUCATION |
| 334 | \$106,456 | NATIONAL INST OF HEALTH | Yuzbasiyan-Gurkan, Vilma | VETERINARY MEDICINE DEAN | SHORT-TERM BIOMEDICAL RESEARCH TRAINING PROGRAM FOR VETERINARY STUDENTS |
| 335 | \$31,500 | NATIONAL INST OF HEALTH | Yuzbasiyan-Gurkan, Vilma | VETERINARY MEDICINE DEAN | NIH-MERIAL VETERINARY SCHOLARS SYMPOSIUM: VETERINARIANS IN BIOMEDICAL RESEARCH: BUILDING CAPACITY |

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| FACILITY FOR RARE ISOTOPE BEAMS | | | | | |
| 336 | \$8,000,000 | US DEPT OF ENERGY | Glasmacher, Thomas | FACILITY FOR RARE ISOTOPE BEAMS | FACILITY FOR RARE ISOTOPE BEAMS TRANSITION TO OPERATION AND OPERATION AS SCIENTIFIC USER FACILITY |
| 337 | \$190,000 | BOEING CO | Knudsen, Peter | FACILITY FOR RARE ISOTOPE BEAMS | SECOND BAYONET STUDY |
| 338 | \$190,172 | FERMI NATIONAL ACCELERATOR LABORATORY | Lund, Steven | FACILITY FOR RARE ISOTOPE BEAMS | US PARTICLE ACCELERATOR SCHOOL (USPAS) DIRECTOR |
| 339 | \$358,296 | US DEPT OF ENERGY | Mantica, Paul | FACILITY FOR RARE ISOTOPE BEAMS | TECHNICAL ADVISOR TO THE DOE OFFICE OF NUCLEAR PHYSICS - MANTICA IPA |
| 340 | \$62,723 | FERMI NATIONAL ACCELERATOR LABORATORY | Ostroumov, Peter | FACILITY FOR RARE ISOTOPE BEAMS | FERMILAB ACCELERATOR PHD PROGRAM FOR KELLEN MCGEE |
| 341 | \$710,000 | US DEPT OF ENERGY | York, Richard | FACILITY FOR RARE ISOTOPE BEAMS | HIGH RIGIDITY SPECTROMETER PROJECT – FY20 TO FY22 |
| 342 | \$135,000 | US DEPT OF ENERGY | Danielewicz, Pawel | NAT'L SUPERCONDUCTING CYCLOTRON LAB | SYMMETRY ENERGY FROM NUCLEAR REACTIONS |
| 343 | \$360,000 | US DEPT OF ENERGY | Nazarewicz, Witold | NAT'L SUPERCONDUCTING CYCLOTRON LAB | THEORETICAL NUCLEAR STRUCTURE |
| 344 | \$22,775 | LAWRENCE LIVERMORE NATIONAL LABORATORY | Nunes, Filomena | NAT'L SUPERCONDUCTING CYCLOTRON LAB | FRIB THEORY FELLOW AT LAWRENCE LIVERMORE NATIONAL LABORATORY - HEBBORN |
| PROVOST AND ACADEMIC AFFAIRS | | | | | |
| 345 | \$5,500 | ARTS COUNCIL OF GREATER LANSING | Word, Michelle | ART MUSEUM | 2021 INGHAM COUNTY HOTEL/MOTEL GRANT |
| ASC PROV FOR UNIV OUTREACH ENGAGEMENT | | | | | |
| 346 | \$330,614 | DEPT OF LABOR & ECONOMIC OPPORTUNITY | Anthony, Stephanie | ADMIN SUPPORT MLK INITIATIVE | MI GEAR UP |
| 347 | \$90,000 | MICHIGAN DEPT OF EDUCATION | Wu, Jamie | COMMUNITY EVALUATION AND RSCH COLLABRTVE | THE STUDY OF STATE FUNDED PRESCHOOL PROGRAM FOR THREE-YEAR-OLD CHILDREN |
| INTERNATIONAL STUDIES AND PROGRAMS | | | | | |

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| 348 | \$20,000 | SAMUEL RUBIN FOUNDATION | Monson, Jamie | AFRICAN STUDIES CENTER | AFRICAN ACTIVIST ARCHIVE PROJECT |
| 349 | \$214,554 | INTL RESEARCH & EXCHANGES BOARD | Hassan, Salah | INTERNATIONAL STUDIES AND PROGRAMS DEAN | MANDELA WASHINGTON FELLOWSHIP FOR YOUNG AFRICAN LEADERS |
| 350 | \$228,461 | TEMPLETON RELIGION TRUST | Khalil, Mohammad | INTERNATIONAL STUDIES AND PROGRAMS DEAN | SCIENTIFIC, ART AND FAITH: ARCHITECTURAL HERITAGE AND ISLAM |
| MSU AGBIORESEARCH | | | | | |
| 351 | \$1,539,077 | NOBLE RESEARCH INST LLC | Rowntree, Jason | ANIMAL SCIENCE DEPARTMENT MABR | METRICS, MANAGEMENT, AND MONITORING - AN INVESTIGATION IN RANGELAND AND PASTURE SOIL HEALTH AND THEIR DRIVERS |
| 352 | \$3,000,000 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | Smith, George | MSU AGBIORESEARCH DIR OFC | MICHIGAN ALLIANCE FOR ANIMAL AGRICULTURE - 2022 |
| 353 | \$17,531 | MICHIGAN WHEAT PROGRAM | Pennington, Dennis | PLANT SOIL AND MICROBIAL SCIENCES | FUNDS FROM MICHIGAN WHEAT PROGRAM TO COVER SALARY AND OPERATING EXPENSES FOR MSU WHEAT BREEDER FROM 10/01/21 - 12/31/21 |
| 354 | \$25,000 | W K KELLOGG CO | Asher, Aaron | WATER RESEARCH INSTITUTE MABR | MAPLE RIVER FISH HABITAT IMPROVEMENT - KELLOGG'S CONTRIBUTION |
| MICHIGAN STATE UNIVERSITY EXTENSION | | | | | |
| 355 | \$20,172 | MICHIGAN CRAFT BEVERAGE COUNCIL | Nasrollahiazar, Esmail | EXTENSION AGRICULTURE AND AGRIBUSINESS | MONITORING STATEWIDE GRAPEVINE COLD HARDINESS EVALUATIONS IN ORDER TO DEVELOP THE MICHIGAN GRAPEVINE COLD HARDINESS MODEL. |
| 356 | \$21,746 | MICHIGAN CRAFT BEVERAGE COUNCIL | Nasrollahiazar, Esmail | EXTENSION AGRICULTURE AND AGRIBUSINESS | MEETING MICHIGAN GRAPE AND WINE INDUSTRY'S EDUCATIONAL NEEDS |
| 357 | \$25,877 | MICHIGAN CRAFT BEVERAGE COUNCIL | Wilke, Brook | EXTENSION AGRICULTURE AND AGRIBUSINESS | EVALUATING TERROIR OF RYE WHISKEY IN MICHIGAN – GENOTYPE X |
| 358 | \$22,591 | MICHIGAN 4H FOUNDATION | DeDecker, Jacob | EXTENSION CHILDREN AND YOUTH | MICHIGAN 4H FOUNDATION COUNTY PROGRAMS |
| 359 | \$58,787 | MICHIGAN 4H FOUNDATION | DeDecker, Jacob | EXTENSION CHILDREN AND YOUTH | MICHIGAN 4H FOUNDATION COUNTY PROGRAMS |

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| 360 | \$11,725 | BARRY COUNTY UNITED WAY | Kilpatrick, Glenda | EXTENSION CHILDREN AND YOUTH | BARRY COUNTY MSU EXTENSION 4-H PROGRAM |
| 361 | \$18,028 | MICHIGAN COMMUNITY SERVICE COMMISSION | Schulz, Jodi | EXTENSION CHILDREN AND YOUTH | MICHIGAN'S AMERICORPS FORMULA CONTINUATION 20-21 FUNDING |
| 362 | \$1,166,667 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Tobe, Erica | EXTENSION CHILDREN AND YOUTH | FY21 IMPROVING AND EXPANDING EDUCATIONAL MESSAGING AROUND VACCINATION WITH MICHIGAN'S YOUTH AND FAMILIES THROUGH TRUSTED MESSENGERS AND MSU EXTENSION NETWORKS |
| 363 | \$6,700 | KANSAS STATE UNIV | Wisnewski, Diane | EXTENSION CHILDREN AND YOUTH | 4-H MILITARY PARTNERSHIP AND OUTREACH SUPPORT DAF |
| 364 | \$10,736 | TRINITY UNIVERSITY | Carpenter, Craig | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | INHERITED INEQUITY? USING ADMINISTRATIVE DATA TO MEASURE THE INTERGENERATIONAL AND INTERACTIVE IMPACTS OF HOUSING AND EDUCATION |
| 365 | \$45,551 | MICHIGAN DEPT OF NATURAL RESOURCES | Cohen, Joshua | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | MNFI 2022-TITLE 6-AUTOMATED RARE SPECIES REVIEW APPLICA 2022 |
| 366 | \$261,649 | MICHIGAN DEPT OF NATURAL RESOURCES | Cohen, Joshua | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | MNFI 2022 - TITLE 2 - ML DNR WLD INTEGRATED INVENTORY 2022 |
| 367 | \$40,000 | MICHIGAN CRAFT BEVERAGE COUNCIL | Dedecker, James | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | ON-GOING INVESTIGATION OF WINTER HARDINESS TO ADVANCE WINTER MALTING BARLEY AS A CLIMATE ADAPTATION STRATEGY IN MICHIGAN |
| 368 | \$21,000 | MICHIGAN DEPT OF NATURAL RESOURCES | Higman, Phyllis | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | GNA BOTANICAL SURVEY DATA COORDINATION AND MANAGEMENT |
| 369 | \$19,952 | IOWA STATE UNIV | Jescovitch, Lauren | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | DEVELOPMENT OF CONSUMER EDUCATIONAL MATERIALS ON SEAFOOD AND AQUACULTURE |
| 370 | \$10,011 | UNIVERSITY OF WISCONSIN MADISON | Jescovitch, Lauren | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | GREAT LAKES FUTURE FISHERS INITIATIVE: DEVELOPING A STATE AND TRIBAL GREAT LAKES' COMMERCIAL FISHING AND SEAFOOD PROCESSING APPRENTICESHIP PROGRAM |

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| 371 | \$351,899 | MICHIGAN DEPT OF NATURAL RESOURCES | Klatt, Brian | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | CONSULTATION, ADMINISTRATION & DATABASE FOR DNR FY22 |
| 372 | \$27,905 | MICHIGAN DEPT OF NATURAL RESOURCES | Klatt, Brian | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | MNFI 2022 - TITLE 19 - AMERICORPS SUPPORT - 2022 |
| 373 | \$24,483 | MICHIGAN DEPT OF NATURAL RESOURCES | Lee, Yu Man | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | MNFI 2022-TITLE 7-BLANDING TURTLE IN LAKE ERIE WATERSHED2022 |
| 374 | \$92,498 | MICHIGAN DEPT OF NATURAL RESOURCES | Lee, Yu Man | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | UPPER MIDWEST TURTLE CONSERVATION - CSWG PHASE 3 |
| 375 | \$48,138 | MICHIGAN DEPT OF NATURAL RESOURCES | Lincoln, Jesse | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | MNFI 2022 - TITLE 3 - LAND MANAGEMENT CONSULTATIONS AND SURVEYS 2022 |
| 376 | \$130,360 | AMERICANA FOUNDATION | Mathis, Michael | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | AMERICANA - TOLLGATE MSU - 2022 |
| 377 | \$26,160 | MICHIGAN DEPT OF NATURAL RESOURCES | Monfils, Michael | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | MNFI 2022 - TITLE 18 - SECRETIVE MARSH BIRD SURVEY OF BLIND SUCKER FLOODING 2022 |
| 378 | \$89,613 | MICHIGAN DEPT OF NATURAL RESOURCES | Rowe, Logan | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | MNFI 2022 - TITLE 12 - POLLINATOR CONSERVATION LANDSCAPES |
| 379 | \$299,437 | UNIVERSITY OF MICHIGAN | Triezenberg, Heather | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | MICHIGAN SEA GRANT OMNIBUS FY 2022-2023 |
| 380 | \$38,000 | FREMONT AREA COMMUNITY FOUNDATION | Woods, Mollie | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | THE MSU PRODUCT CENTER AND FARM ACCELERATOR |

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| 381 | \$24,982 | MICHIGAN DEPT OF MILITARY & VETERANS AFFAIRS | Lee, Yu Man | NATURAL FEATURES INVENTORY MSUE | CAMP GRAYLING SURVEYS |
| 382 | \$48,000 | MICHIGAN SUGARBEET ADVANCEMENT | Bublitz, Daniel | PLANT SOIL AND MICROBIAL SCIENCES | SALARY AND FRINGE FOR RG072614 BUBL |
| RESEARCH AND INNOVATION | | | | | |
| 383 | \$66,600 | SOUTH DAKOTA STATE UNIV | Sharma, Dhruv | CTR FOR STATISTICAL TRAINING CONSULTING | A COST-BENEFIT ANALYSIS OF EFNEP UTILIZING BIOMARKERS OF CHRONIC DISEASE RISK |
| 384 | \$17,800 | SOCIETY OF TOXICOLOGY | Atchison, William | INSTITUTE FOR INTEGRATIVE TOXICOLOGY | 2021 SUMMER UNDERGRADUATE RESEARCH PROGRAM - SOCIETY OF TOXICOLOGY |
| 385 | \$15,000 | HEALTH CARE LOGISTICS INC | Hatfield, John | OFFICE OF RESEARCH AND INNOVATION | AXIA MEMBERSHIPS |
| 386 | \$30,000 | FRESENIUS KABI USA | Hatfield, John | OFFICE OF RESEARCH AND INNOVATION | AXIA MEMBERSHIPS |
| VICE PRES FOR STUDENT AFFAIRS SERVICES | | | | | |
| 387 | \$376,583 | US DEPT OF EDUCATION | Shaw, Allyn | STUDENT AFFAIRS SERVICES VICE PRES | CHILD CARE ACCESS MEANS PARENTS IN SCHOOLS (CCAMPIS) MSU SPARTAN KIDS CHILD CARE SUPPORT PROGRAM |
| GENERAL UNIVERSITY ITEMS | | | | | |
| 388 | \$12,500 | INGHAM COUNTY | Rosen, Holly | DOMESTIC SHELTER | SHELTER, ADVOCACY AND SUPPORT FOR DOMESTIC VIOLENCE SURVIVORS |
| 389 | \$12,321 | CHILDRENS HOSPITAL OF MICHIGAN FOUNDATION | Martell, Dennis | MSU STUDENT HEALTH CENTER | IMPACTING OUTCOMES FOR STUDENTS IN RECOVERY |
| MICHIGAN STATE UNIVERSITY COLLEGE OF LAW | | | | | |
| 390 | \$70,000 | CASEY FAMILY PROGRAMS | Fort, Kathryn | COLLEGE OF LAW DEAN | CASEY FAMILY PROGRAMS CONTRACT SERVICE AGREEMENT |
| VARIOUS | | | | | |
| 391 | \$138,695 | VARIOUS | Various | Various | 51 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 2022**

| | Amount | Sponsor | Principal Investigator/Director | Unit | Project Title |
|--|--------------|------------------------|---------------------------------|------|---------------|
| | \$84,298,210 | Total April 2022 Board | | | |

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
April 22, 2022

| GIFT NO. | GIFT | DONOR | DEPARTMENT NAME | ESTIMATED VALUE | PURPOSE OR USE |
|----------|---|--------------------------------|---------------------------------------|-----------------|--|
| 1 | Various iPads, MacBooks & accessories | Apple Inc. | MSU – Michigan 4H Southeast, Michigan | \$130,723.65 | Supporting Michigan 4H thru Apple Community Education Initiatives Program. |
| 2 | <p><u>Sculptures</u></p> <p>Tony DeBlasi, <i>Take the “A” Train</i></p> <p>Robert Weil, <i>Untitled</i></p> <p>Mel Leiserowitz, <i>Poppies and Plants</i></p> <p><u>Paintings</u></p> <p>Angelo Ippolito, <i>Michigan Farm Scene 1</i></p> <p>Angelo Ippolito, <i>Michigan Farm Scene 2</i></p> <p>Irv Taran, <i>Untitled (Pink, Blue)</i></p> <p>Irv Taran, <i>Untitled (Red, Blue & Green)</i></p> <p>Irv Taran, <i>Judy’s Boy & Sebago</i></p> <p>Jens Plum, <i>Still Life (Table & Chair)</i></p> <p>Jens Plum, <i>Still Lift (Table & Flowers)</i></p> | Drs. Clifton & Dolores Wharton | Eli & Edythe Broad Art Museum | \$60,500.00 | Donation to Eli & Edythe Broad Art Museum |

| | | | | | |
|------|---|---------------|---------------------------------|---------------------|--|
| 3 | GE Laptop style Ultrasound unit with stand and transducer | Scott Carlson | College of Osteopathic Medicine | \$7,150.00 | Teaching PA Medical Students |
| 4-29 | Various | Various | Various | \$14,599.58 | 26 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 |
| | | | | | |
| | | | | | |
| | | | Total | \$212,973.23 | |