



MICHIGAN STATE UNIVERSITY
BOARD OF TRUSTEES
Executive Action Summary

Gift, Grant and Contract Report

APPROVED
JUNE 28, 2024
BOARD OF TRUSTEES
MICHIGAN STATE UNIVERSITY

Date June 28, 2024

From: Gift, Grant and Contract Report

Agenda Item: Gift, Grant and Contract Report

Information

Discussion

Action

Resolution:

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

Recommendation:

That the Board of Trustees approve the attached Gift, Grant and Contract Report for the period of March 16, 2024 through May 29, 2024.

Prior Action by BOT: Not applicable.

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

Summary: See recommendation above.

Background Information:

FY 2023-24 TOTALS:

- a) Gifts, Grants and Contracts only: \$882,289,312
 - b) Gifts, Grants and Contracts plus Consignments: \$885,801,375
- (Consignments are Non-Cash Gifts and Non-Cash Loans)

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

Resource Impact: The report is a compilation of 556 Gifts, Grants and Contracts plus 21 Consignment/Non-Cash Gifts, with a total value of \$195,284,276.

Current Period / Year to Date

Gift & Grant Awards

Meeting Date: 06/28/2024

Current Period: Mar 16, 2024 - May 29, 2024

AWARD TOTALS

| Research | | | |
|-------------------------------|----------------------|----------------------|----------------|
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | \$88,744,612 | \$496,549,723 | 87.5% |
| State of Michigan | \$10,035,581 | \$21,075,398 | 3.7% |
| Other | \$5,098,402 | \$25,077,282 | 4.4% |
| Industry/CO | \$1,092,305 | \$7,972,859 | 1.4% |
| Foundation | \$2,394,924 | \$13,257,149 | 2.3% |
| Association | \$1,154,850 | \$3,331,561 | 0.6% |
| Research - Total | \$108,520,673 | \$567,263,971 | 100% |
| Non-Research | | | |
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | \$26,834,182 | \$107,296,731 | 34.1% |
| State of Michigan | \$1,095,500 | \$25,946,323 | 8.2% |
| Other | \$8,637,855 | \$22,688,605 | 7.2% |
| Industry/CO | \$4,139,527 | \$10,692,454 | 3.4% |
| Foundation | \$5,461,560 | \$23,099,461 | 7.3% |
| Association | \$137,394 | \$539,866 | 0.2% |
| Various Donors - Advancement* | \$38,009,972 | \$124,761,901 | 39.6% |
| Non-Research - Total | \$84,315,990 | \$315,025,340 | 100% |
| Total | | | |
| Gift/Grant Source | Current Period | Year to Date | Amount % YTD |
| Federal Government | \$115,578,794 | \$603,846,454 | 68.4% |
| State of Michigan | \$11,131,081 | \$47,021,721 | 5.3% |
| Other | \$13,736,257 | \$47,765,887 | 5.4% |
| Industry/CO | \$5,231,832 | \$18,665,312 | 2.1% |
| Foundation | \$7,856,484 | \$36,356,609 | 4.1% |
| Association | \$1,292,244 | \$3,871,427 | 0.4% |
| Various Donors - Advancement* | \$38,009,972 | \$124,761,901 | 14.1% |
| TOTAL | \$192,836,663 | \$882,289,312 | 100% |

OF AWARDS

| Research | | | |
|-------------------------------|----------------|--------------|----------------|
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | 244 | 1,195 | 62.0% |
| State of Michigan | 17 | 84 | 4.4% |
| Other | 63 | 294 | 15.3% |
| Industry/CO | 31 | 185 | 9.6% |
| Foundation | 19 | 85 | 4.4% |
| Association | 39 | 83 | 4.3% |
| Research - Total | 413 | 1,926 | 100% |
| Non-Research | | | |
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | 46 | 253 | 43.5% |
| State of Michigan | 14 | 55 | 9.5% |
| Other | 28 | 102 | 17.6% |
| Industry/CO | 31 | 69 | 11.9% |
| Foundation | 19 | 85 | 14.6% |
| Association | 4 | 13 | 2.2% |
| Various Donors - Advancement* | 1 | 4 | 0.7% |
| Non-Research - Total | 143 | 581 | 100% |
| Total | | | |
| Gift/Grant Source | Current Period | Year to Date | Count % YTD |
| Federal Government | 290 | 1,448 | 57.8% |
| State of Michigan | 31 | 139 | 5.5% |
| Other | 91 | 396 | 15.8% |
| Industry/CO | 62 | 254 | 10.1% |
| Foundation | 38 | 170 | 6.8% |
| Association | 43 | 96 | 3.8% |
| Various Donors - Advancement* | 1 | 4 | 0.2% |
| TOTAL | 556 | 2,507 | 100% |

* This is philanthropic cash received.

Current Year / Previous Year

Gift & Grant Awards

Meeting Date: 06/28/2024

Current Period: Mar 16, 2024 - May 29, 2024

AWARD TOTALS

| Research | | | |
|-------------------------------|----------------------|----------------------|-----------------|
| Gift/Grant Source | Previous YTD | Year to Date | % Change |
| Federal Government | \$440,552,970 | \$496,549,723 | 12.7% |
| State of Michigan | \$13,747,492 | \$21,075,398 | 53.3% |
| Other | \$18,306,788 | \$25,077,282 | 37.0% |
| Industry/CO | \$10,871,810 | \$7,972,859 | -26.7% |
| Foundation | \$15,407,741 | \$13,257,149 | -14.0% |
| Association | \$3,404,516 | \$3,331,561 | -2.1% |
| Research - Total | \$502,291,316 | \$567,263,971 | 12.9% |
| Non-Research | | | |
| Gift/Grant Source | Previous YTD | Year to Date | % Change |
| Federal Government | \$75,681,683 | \$107,296,731 | 41.8% |
| State of Michigan | \$26,666,489 | \$25,946,323 | -2.7% |
| Other | \$21,771,904 | \$22,688,605 | 4.2% |
| Industry/CO | \$8,044,547 | \$10,692,454 | 32.9% |
| Foundation | \$11,122,756 | \$23,099,461 | 107.7% |
| Association | \$640,563 | \$539,866 | -15.7% |
| Various Donors - Advancement* | \$104,027,690 | \$124,761,901 | 19.9% |
| Non-Research - Total | \$247,955,632 | \$315,025,340 | 27.0% |
| Total | | | |
| Gift/Grant Source | Previous YTD | Year to Date | Amount % Change |
| Federal Government | \$516,234,653 | \$603,846,454 | 17.0% |
| State of Michigan | \$40,413,981 | \$47,021,721 | 16.4% |
| Other | \$40,078,691 | \$47,765,887 | 19.2% |
| Industry/CO | \$18,916,357 | \$18,665,312 | -1.3% |
| Foundation | \$26,530,497 | \$36,356,609 | 37.0% |
| Association | \$4,045,079 | \$3,871,427 | -4.3% |
| Various Donors - Advancement* | \$104,027,690 | \$124,761,901 | 19.9% |
| TOTAL | \$750,246,949 | \$882,289,312 | 17.6% |

OF AWARDS

| Research | | | |
|-------------------------------|--------------|--------------|----------------|
| Gift/Grant Source | Previous YTD | Year to Date | % Change |
| Federal Government | 1,211 | 1,195 | -1.3% |
| State of Michigan | 82 | 84 | 2.4% |
| Other | 269 | 294 | 9.3% |
| Industry/CO | 240 | 185 | -22.9% |
| Foundation | 91 | 85 | -6.6% |
| Association | 94 | 83 | -11.7% |
| Research - Total | 1,987 | 1,926 | -3.1% |
| Non-Research | | | |
| Gift/Grant Source | Previous YTD | Year to Date | % Change |
| Federal Government | 262 | 253 | -3.4% |
| State of Michigan | 55 | 55 | 0.0% |
| Other | 88 | 102 | 15.9% |
| Industry/CO | 87 | 69 | -20.7% |
| Foundation | 71 | 85 | 19.7% |
| Association | 11 | 13 | 18.2% |
| Various Donors - Advancement* | 4 | 4 | 0.0% |
| Non-Research - Total | 578 | 581 | 0.5% |
| Total | | | |
| Gift/Grant Source | Previous YTD | Year to Date | Count % Change |
| Federal Government | 1,473 | 1,448 | -1.7% |
| State of Michigan | 137 | 139 | 1.5% |
| Other | 357 | 396 | 10.9% |
| Industry/CO | 327 | 254 | -22.3% |
| Foundation | 162 | 170 | 4.9% |
| Association | 105 | 96 | -8.6% |
| Various Donors - Advancement* | 4 | 4 | 0.0% |
| TOTAL | 2,565 | 2,507 | -2.3% |

* This is philanthropic cash received.

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

Gift & Grant Awards

Meeting Date: 06/28/2024

Current Period: Mar 16, 2024 - May 29, 2024

NOTE: This supplemental report (pages 4-5) shows HFH + MSU HS awards that also appear in the full University Board of Trustees summary on pages 2-3, Top 10 on page 7, and Gift, Grant and Contract Report on pages 8-42. These NIH projects were proposed and awarded through HFH+MSU HS (which is associated primarily with CHM/COM/Nursing colleges).

AWARD TOTALS

| Research | | | |
|-----------------------------|--------------------|---------------------|----------------|
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | \$4,209,079 | \$33,009,812 | 100% |
| | | | |
| | | | |
| | | | |
| | | | |
| Research - Total | \$4,209,079 | \$33,009,812 | 100% |
| Non-Research | | | |
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Non-Research - Total | \$ - | \$ - | 0% |
| Total | | | |
| Gift/Grant Source | Current Period | Year to Date | Amount % YTD |
| Federal Government | \$4,209,079 | \$33,009,812 | 100% |
| | | | |
| | | | |
| | | | |
| | | | |
| TOTAL | \$4,209,079 | \$33,009,812 | 100% |

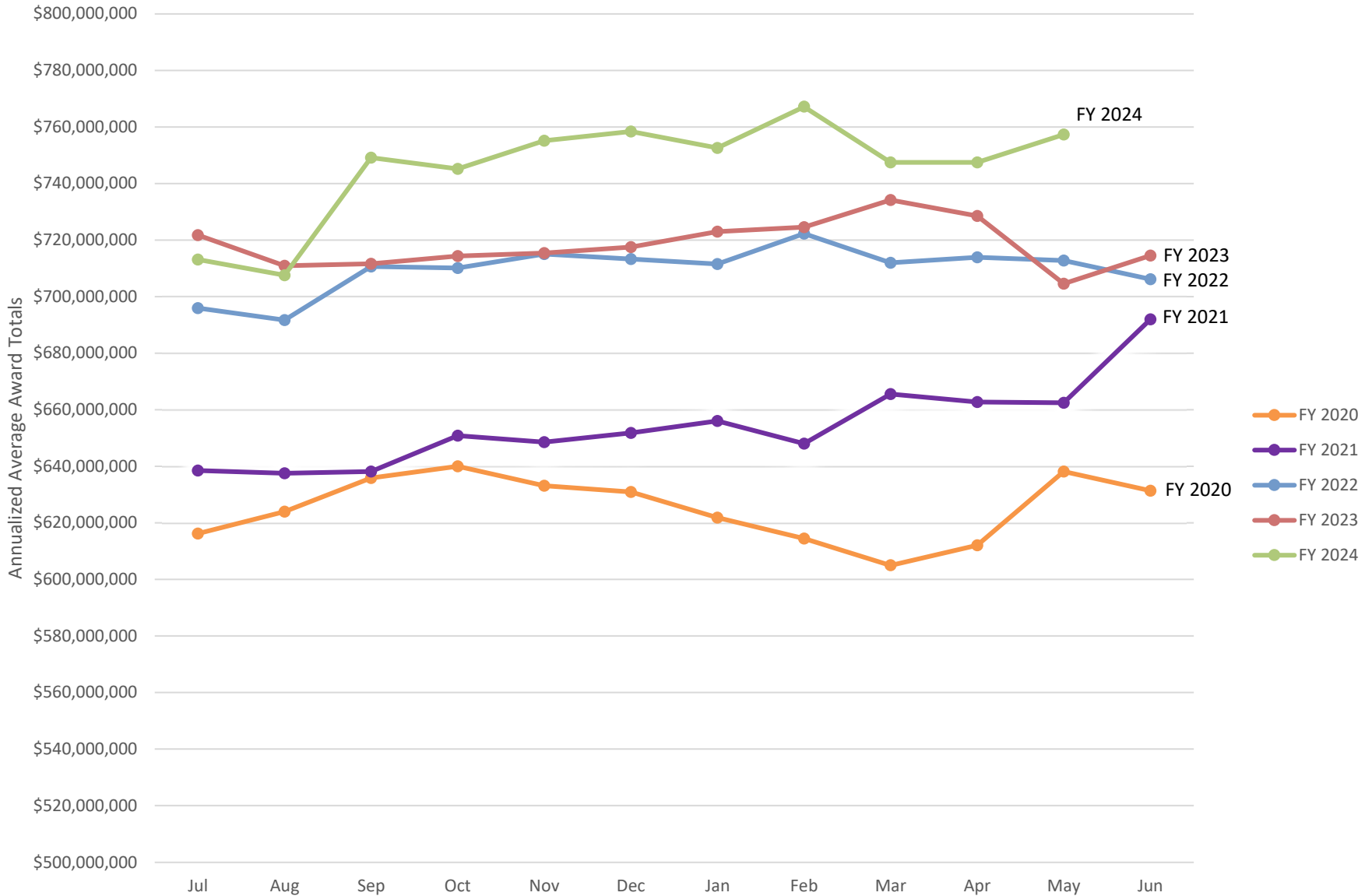
OF AWARDS

| Research | | | |
|-----------------------------|----------------|--------------|----------------|
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | 10 | 29 | 100% |
| | | | |
| | | | |
| | | | |
| | | | |
| Research - Total | 10 | 29 | 100% |
| Non-Research | | | |
| Gift/Grant Source | Current Period | Year to Date | % of Total YTD |
| Federal Government | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Non-Research - Total | 0 | 0 | 0% |
| Total | | | |
| Gift/Grant Source | Current Period | Year to Date | Count % YTD |
| Federal Government | 10 | 29 | 100% |
| | | | |
| | | | |
| | | | |
| | | | |
| TOTAL | 10 | 29 | 100% |

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

| | Amount | Sponsor | Principal Investigator / Director | Unit | Project Title |
|--|-----------|---|-----------------------------------|---|--|
| COLLEGE OF HUMAN MEDICINE | | | | | |
| 1 | \$864,728 | NATIONAL CANCER INST | Neslund-Dudas, Christine | EPIDEMIOLOGY AND BIOSTATISTICS | HFH-MSU CSRN ACCRUAL ENROLLMENT AND SCREENING SITE |
| 2 | \$658,092 | NATIONAL CANCER INST | Mi, Qing-Sheng | MEDICINE | VPS72 CONTROLS TREG CELL STABILITY AND ADAPTATION TO TUMOR MACROENVIRONMENT |
| 3 | \$466,635 | NATIONAL HEART LUNG & BLOOD INST | Hong, Charles | MEDICINE | MECHANISTIC INSIGHTS INTO THE ROLE OF MICROTUBULE ORGANIZATION CENTERS ON CARDIOMYOCYTE STRUCTURE AND FUNCTION |
| 4 | \$431,750 | NATIONAL INST ON AGING | Kanaan, Nicholas | TRANSLATIONAL NEUROSCIENCE | DEVELOPMENT AND VALIDATION OF A NOVEL ANTI-PATHOGENIC TAU CONFORMATION (TNT2) SCFV IMMUNO-GENE THERAPY |
| 5 | \$249,000 | NATIONAL INST DIABETES & DIGESTIVE & KIDNEY DISEASE | Reynolds, Evan | EPIDEMIOLOGY AND BIOSTATISTICS | PREDICTING COMPLICATIONS OF DIABETES WITH LONGITUDINAL METABOLIC TRAJECTORIES |
| 6 | \$142,027 | UNIVERSITY OF MARYLAND | Hong, Charles | MEDICINE | GPR68 AS A NOVEL MODULATOR OF SEPTIC LUNG INJURY |
| 7 | \$109,332 | AUGUSTA UNIVERSITY | Pozzo-Miller, Lucas | PEDIATRICS AND HUMAN DEVELOPMENT | THE ROLE OF CHD7 IN ACC NEURONS |
| 8 | \$105,058 | UNIVERSITY OF WASHINGTON | Pham, Michelle | CENTER FOR BIOETHICS AND SOCIAL JUSTICE | CARING FOR BRAIN PIONEERS: UNDERSTANDING AND ENHANCING FAMILY AND RESEARCHER SUPPORT IN NEURAL DEVICE TRIALS |
| COLLEGE OF NATURAL SCIENCE | | | | | |
| 9 | \$569,477 | NATIONAL INST DIABETES & DIGESTIVE & KIDNEY DISEASE | Liu, Xianshuang | PHYSIOLOGY HUMAN MEDICINE | INVESTIGATING THE ROLE OF GUT EXTRACELLULAR VESICLES IN DIABETIC PERIPHERAL NEUROPATHY |
| COLLEGE OF OSTEOPATHIC MEDICINE | | | | | |
| 10 | \$612,980 | NATIONAL INST DIABETES & DIGESTIVE & KIDNEY DISEASE | Jiang, Quan | RADIOLOGY OSTEOPATHIC MEDICINE | IMAGING CEREBRAL WASTE CLEARANCE RESPONSES DURING EXOSOME TREATMENT OF DIABETES |

Michigan State University 3 Year Annualized Average Awards



Source: MSU Sponsored Programs Award Data

6/10/2024

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

Top 10 Awards for the June 28, 2024 BOT Meeting

| Rank | Sponsor Type | Award Amount | Principal Investigator | Sponsor | Department | New or Modification | Award Activity Type | Project Dates | Project Title |
|------|--------------------|---------------------|------------------------|--|--|---------------------|---------------------|--------------------------|--|
| 1 | Federal Government | \$20,989,000 | Thomas Glasmacher | US Dept of Energy | FACILITY FOR RARE ISOTOPE BEAMS | Modification | Research | 01/15/2023 01/14/2028 | Operation of the Facility for Rare Isotope Beams as Scientific User Facility |
| 2 | Federal Government | \$16,500,000 | Mona Hanna-Attisha | US Dept of Health & Human Services | CS MOTT DEPARTMENT OF PUBLIC HEALTH | New | Public Service | 01/01/2024 09/30/2028 | Rx Kids: Prenatal and Infant Allowances in Flint, MI |
| 3 | Federal Government | \$7,722,448 | Barbara Schneider | US Dept of Education | COUNSELING, EDUC PSYCH SPEC EDUC | New | Research | 01/01/2024 12/30/2028 | A culturally responsive project-based learning intervention in secondary science in Alabama and North Carolina |
| 4 | State of Michigan | \$5,000,000 | George Smith | Michigan Dept of Agriculture & Rural Development | ABR DIRECTORS OFFICE | New | Research | 12/01/2023 09/30/2027 | Agricultural Climate Resiliency - FY2024 |
| 5 | Federal Government | \$3,995,045 | Christoph Benning | US Dept of Energy | PLANT RESEARCH LABORATORY NAT SCIENCE | Modification | Research | 12/01/1990 03/31/2026 | Photosynthetic Energy Capture, Conversion and Storage: From Fundamental Mechanisms to Modular Engineering |
| 6 | Federal Government | \$3,661,418 | Kurt Thelen | US Dept of Energy | GREAT LAKES BIOENERGY RESEARC CTR VPRGS | Modification | Research | 12/01/2017 11/30/2024 | Great Lakes Bioenergy Research Center |
| 7 | Federal Government | \$3,321,687 | Jessica Garrels | US Agency for Intl Development | CED INTERNATIONAL STUDIES IN EDUCATION | Modification | Research | 10/18/2022 10/17/2027 | Strengthening Science, Technology, Engineering, and Mathematics & Expanding Degree Opportunities (SSTEMEDO) |
| 8 | Foundation | \$3,000,000 | Mona Hanna-Attisha | Skyline Foundation | CS MOTT DEPARTMENT OF PUBLIC HEALTH | New | Public Service | 01/01/2024 12/31/2026 | Rx Kids: Prenatal and Infant Allowances in Flint, MI |
| 9 | Federal Government | \$2,300,000 | David Tschirley | US Agency for Intl Development | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | Modification | Research | 05/15/2019 05/14/2026 | Feed the Future Innovation Lab for Food Security Policy Research, Capacity, and Influence |
| 10 | Federal Government | \$1,990,000 | Douglas Buhler | US Agency for Intl Development | ABR DIRECTORS OFFICE | Modification | Research | 08/23/2018 08/22/2028 | Feed the Future Innovation Lab for Legume Systems Research |
| | TOTAL | \$68,479,598 | | | | | | | |

Gift, Grant and Contract Report
Board of Trustees
June 2024

| | Amount | Sponsor | Principal Investigator/Director | Unit | Project Title |
|---|-------------|--|---------------------------------|--|---|
| COLLEGE OF AGRICULTURE AND NAT RESOURCES | | | | | |
| 1 | \$49,960 | NATIONAL INST OF FOOD & AGRICULTURE | Caputo, Vincenzina | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | A WORKSHOP ON SURVEY DESIGN & EXPERIMENTAL METHODS IN APPLIED AND AGRICULTURAL ECONOMICS |
| 2 | \$1,500,000 | US AGENCY FOR INTL DEVELOPMENT | Liverpool-Tasie, Lenis | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | NIGERIA FEED THE FUTURE POLICY SUPPORT FOR ECONOMIC GROWTH (PSEG) ACTIVITY |
| 3 | \$148,415 | NATIONAL SCIENCE FOUNDATION | Reardon, Thomas | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | BELMONT FORUM COLLABORATIVE RESEARCH: THE ROLE OF SUPERMARKETS AS KEY AGENTS IN SYSTEMS OF SUSTAINABLE CONSUMPTION AND PRODUCTION |
| 4 | \$97,878 | MBG MARKETING | Rudi Polloshka, Jeta | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | DEMAND FOR BLUEBERRIES: UNDERSTANDING CONSUMERS' PREFERENCES TO INCREASE MICHIGAN GROWERS' MARKET COMPETITIVENESS |
| 5 | \$132,492 | UNIVERSITY OF CALIFORNIA DAVIS | Rutledge, Zachariah | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | RESPONDING TO RISING US FARM LABOR COSTS |
| 6 | \$56,177 | GRAND VALLEY STATE UNIV | Sears, Molly | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | WATER SCARCITY IN THE SERBIAN DANUBE: AGRICULTURAL LAND USE CHANGE AND IRRIGATION |
| 7 | \$2,300,000 | US AGENCY FOR INTL DEVELOPMENT | Tschirley, David | AGRICULTURAL FOOD AND RESOURCE ECONOMICS | FEED THE FUTURE INNOVATION LAB FOR FOOD SECURITY POLICY RESEARCH, CAPACITY, AND INFLUENCE |
| 8 | \$40,000 | UNIVERSITY OF MICHIGAN | Hoffmann, Hanne | ANIMAL SCIENCE DEPARTMENT ANR | MICHIGAN DIABETES RESEARCH CENTER (MDRC) (P30DK020572 - YRS 46-50) |
| 9 | \$800,000 | NATIONAL INST OF FOOD & AGRICULTURE | Huang, Wen | ANIMAL SCIENCE DEPARTMENT ANR | THE SWINE REFERENCE PANGENOME (SRP) PROJECT |
| 10 | \$249,999 | NORTH CENTRAL REGION SARE AT THE UNIV OF MINNESOTA | Kendrick, Tasia | ANIMAL SCIENCE DEPARTMENT ANR | DEMONSTRATION OF A NEW METHOD TO ELIMINATE BOVINE LEUKEMIA VIRUS FROM YOUR DAIRY HERD BY TARGETED CULLING OF THE MOST INFECTIOUS CATTLE |
| 11 | \$1,029,750 | NOBLE RESEARCH INST LLC | Rowntree, Jason | ANIMAL SCIENCE DEPARTMENT ANR | METRICS, MANAGEMENT, AND MONITORING - AN INVESTIGATION IN RANGELAND AND PASTURE SOIL HEALTH AND THEIR DRIVERS |
| 12 | \$100,000 | NATIONAL SCIENCE FOUNDATION | Wang, Yuan | ANIMAL SCIENCE DEPARTMENT ANR | CAREER: SPECIFY GERM CELL LINEAGES FROM PLURIPOTENT STATE |
| 13 | \$40,130 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Das, Narendra | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | DEVELOPMENT OF GLOBAL HIGH-RESOLUTION SOIL MOISTURE USING A DATA-DRIVEN APPROACH FOR THE NISAR MISSION |

Gift, Grant and Contract Report
Board of Trustees
June 2024

| | Amount | Sponsor | Principal Investigator/Director | Unit | Project Title |
|----|-----------|--|---------------------------------|---|--|
| 14 | \$15,000 | MICHIGAN SOYBEAN COMMITTEE | Dong, Younsuk | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | INCREASE THE RESILIENCY OF SOYBEAN PRODUCTION TO CLIMATE CHANGE THROUGH PRECISION IRRIGATION MANAGEMENT |
| 15 | \$49,995 | UNIVERSITY OF MINNESOTA | Dong, Younsuk | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | IMPLEMENTING PRECISION IRRIGATION MANAGEMENT TOOLS TO IMPROVE THE SUSTAINABILITY OF CHRISTMAS TREE PRODUCTION IN A CHANGING CLIMATE |
| 16 | \$54,865 | OHIO STATE UNIV | Ghane, Ehsan | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | DRAINAGE WATER RECYCLING – POTENTIAL IMPACT AND FEASIBILITY IN THE WESTERN LAKE ERIE BASIN |
| 17 | \$10,000 | MICHIGAN SOYBEAN COMMITTEE | Ghane, Ehsan | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | ENHANCING CROP YIELD RESILIENCE AND PROTECTING WATER RESOURCES WITH CLIMATE-SMART ADAPTATION: A SYSTEMS APPROACH OF STACKED NUTRIENT AND WATER MANAGEMENT PRACTICES WITH COVER CROPS |
| 18 | \$15,000 | OREGON STATE UNIV | Liao, Wei | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | REAL-TIME DECISION MAKING FOR ANAEROBIC DIGESTION OF FOOD WASTES USING MACHINE LEARNING APPROACH |
| 19 | \$140,000 | BASF CORP | Liu, Yan | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | EVALUATION OF SCALING UP LACTOSE YEAST FERMENTATION AND ITS BY-PRODUCTS |
| 20 | \$50,959 | AGRICULTURAL RESEARCH SERVICE | Marks, Bradley | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | ACQUISITION OF GOODS AND SERVICES |
| 21 | \$119,665 | VARIOUS INDUSTRIES | Uludag-Demirer, Sibel | BIOSYSTEMS AND AGRICULTURAL ENGINEERING | FEE FOR SERVICE - ADREC |
| 22 | \$80,000 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Gensler, Liz | DEPARTMENT OF COMMUNITY SUSTAINABILITY | SPAN MICHIGAN LOCAL FOOD COUNCIL NETWORK |
| 23 | \$11,004 | TWO SIX LABS | Gray, Steven | DEPARTMENT OF COMMUNITY SUSTAINABILITY | MULTI-INFORMED MODELS EMERGING FROM SOCIAL INVESTIGATIONS AND SEMIOTICS (MIMESIS) |
| 24 | \$10,081 | LAKESHORE FLAVOR | Warsaw, Phillip | DEPARTMENT OF COMMUNITY SUSTAINABILITY | 2023 LAKE SHORE FLAVOR COMMUNITY LISTENING SESSIONS |
| 25 | \$10,500 | VARIOUS INDUSTRIES | Isaacs, Rufus | ENTOMOLOGY AGRICULTURE AND NATURAL RES | ISAACS TESTING PROJECTS |
| 26 | \$88,912 | ANIMAL & PLANT HEALTH INSPECTION SERVICE | McCullough, Deborah | ENTOMOLOGY AGRICULTURE AND NATURAL RES | EVALUATING TWO TRAP DESIGNS AND VISUAL SURVEYS FOR SPOTTED LANTERNFLY AT VARYING STAGES OF INVASION. |

Gift, Grant and Contract Report
Board of Trustees
June 2024

| | Amount | Sponsor | Principal Investigator/Director | Unit | Project Title |
|----|-----------|--|---------------------------------|--|--|
| 27 | \$373,400 | MICHIGAN DEPT OF NATURAL RESOURCES | McCullough, Deborah | ENTOMOLOGY AGRICULTURE AND NATURAL RES | HWA CONTROL: EVALUATING CURRENT METHODS AND A POTENTIALLY NEW APPROACH |
| 28 | \$42,000 | DREAM TEAM AGRO CONSULTANCY LIMITED | Quintanilla Tornel, Marisol | ENTOMOLOGY AGRICULTURE AND NATURAL RES | SURVEY AND SUSTAINABLE MANAGEMENT OF PLANT PARASITIC NEMATODES IN TUBER CROPS IN KENYA AND ADDITIONAL COUNTRIES |
| 29 | \$39,998 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | Quintanilla Tornel, Marisol | ENTOMOLOGY AGRICULTURE AND NATURAL RES | PROTECTING THE MICHIGAN HOP INDUSTRY THROUGH GERMPLASM EVALUATION FOR HOP-CYST NEMATODE TOLERANCE |
| 30 | \$12,000 | VARIOUS INDUSTRIES | Quintanilla Tornel, Marisol | ENTOMOLOGY AGRICULTURE AND NATURAL RES | QUINTANILLA TESTING PROJECTS |
| 31 | \$29,930 | MICHIGAN SOYBEAN COMMITTEE | Quintanilla Tornel, Marisol | ENTOMOLOGY AGRICULTURE AND NATURAL RES | USING ENTOMOPATHOGENIC NEMATODES AS BIOLOGICAL AGENT FOR MANAGEMENT OF SOYBEAN CYST NEMATODES |
| 32 | \$10,441 | NORTH AMERICAN LILY SOCIETY | Szucs, Marianna | ENTOMOLOGY AGRICULTURE AND NATURAL RES | BIOLOGICAL CONTROL OF LILY LEAF BEETLE IN MICHIGAN |
| 33 | \$43,783 | VARIOUS INDUSTRIES | Wilson, Julianna | ENTOMOLOGY AGRICULTURE AND NATURAL RES | WILSON TESTING PROJECTS |
| 34 | \$17,845 | MICHIGAN APPLE COMMITTEE | Wilson, Julianna | ENTOMOLOGY AGRICULTURE AND NATURAL RES | TREE FRUIT INTEGRATOR POSITION |
| 35 | \$52,200 | VARIOUS INDUSTRIES | Wise, John | ENTOMOLOGY AGRICULTURE AND NATURAL RES | WISE TESTING PROJECTS |
| 36 | \$250,900 | MICHIGAN DEPT OF NATURAL RESOURCES | Ziegler, Amos | ENTOMOLOGY AGRICULTURE AND NATURAL RES | MISIN - BRIDGING THE GAP AND CLOSING THE LOOP ON INVASIVE SPECIES DATA IN MICHIGAN |
| 37 | \$98,285 | MISSOURI DEPT OF CONSERVATION | Belant, Jerrold | FISHERIES AND WILDLIFE | ASSESSMENT OF ABUNDANCE AND DENSITY OF MISSOURI BLACK BEARS (URSUS AMERICANUS) AT VARYING SPATIAL SCALES TO IMPROVE THE FUTURE UTILITY OF MISSOURI'S CURRENT BLACK BEAR POPULATION MODEL |
| 38 | \$20,596 | VARIOUS FOUNDATIONS | Belant, Jerrold | FISHERIES AND WILDLIFE | JERRY BELANT RESEARCH GIFTS |
| 39 | \$29,430 | GREAT LAKES FISHERY COMMISSION | Brenden, Travis | FISHERIES AND WILDLIFE | GLFC SUPPORT FOR QFC |
| 40 | \$81,469 | PURDUE UNIV | Christensen, Sonja | FISHERIES AND WILDLIFE | RELATIONSHIPS BETWEEN DISEASE AND SPATIALLY EXPLICIT DENSITIES OF DEER, TURKEY, AND COYOTE |

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|----|-----------|---|---------------------------------|------------------------------------|---|
| 41 | \$142,824 | GREAT LAKES FISHERY COMMISSION | Hume, John | FISHERIES AND WILDLIFE | PERM FY24-JOHN HUME |
| 42 | \$141,618 | MICHIGAN DEPT OF NATURAL RESOURCES | Infante, Dana | FISHERIES AND WILDLIFE | SUPPORT FOR COORDINATION AND REFINEMENT OF STATE WILDLIFE ACTION PLAN (SWAP) |
| 43 | \$90,896 | MICHIGAN DEPT OF NATURAL RESOURCES | Infante, Dana | FISHERIES AND WILDLIFE | GREAT LAKES AND INLAND GIS SUPPORT AND DEVELOPMENT FOR MICHIGAN STATE WILDLIFE ACTION PLAN (SWAP) IMPLEMENTATION |
| 44 | \$180,458 | MICHIGAN DEPT OF NATURAL RESOURCES | Latimore, Jo | FISHERIES AND WILDLIFE | AQUATIC MACROPHYTE COMMUNITY SURVEYS IN LAKES ON THE HURON MANISTEE NATIONAL FOREST |
| 45 | \$36,000 | HAL & JEAN GLASSEN MEMORIAL FOUNDATION | Owen, Jennifer | FISHERIES AND WILDLIFE | SUMMER UNDERGRADUATE EXPERIENTIAL LEARNING AT COREY MARSH ECOLOGICAL RESEARCH CENTER |
| 46 | \$200,000 | NATIONAL SCIENCE FOUNDATION | Peacor, Scott | FISHERIES AND WILDLIFE | COLLABORATIVE RESEARCH: A NEW FRAMEWORK TO UNDERSTAND THE ECOLOGICAL RELEVANCE OF PREDATION RISK IN FREE-LIVING SYSTEMS |
| 47 | \$76,336 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Rose, Joan | FISHERIES AND WILDLIFE | SARS-COV-2 EPIDEMIOLOGY – WASTEWATER EVALUATION AND REPORTING (SEWER) NETWORK |
| 48 | \$148,175 | GREAT LAKES FISHERY COMMISSION | Roth, Brian | FISHERIES AND WILDLIFE | QUANTIFYING RELATIONSHIPS BETWEEN PREYFISH ABUNDANCE AND PISCIVORE FORAGING AND GROWTH |
| 49 | \$14,930 | GREAT LAKES FISHERY COMMISSION | Scott, Anne | FISHERIES AND WILDLIFE | DETERMINE THE EFFICACY OF 3KPZS ANTAGONISTS SYNTHESIZED THROUGH MEDICINAL CHEMISTRY OPTIMIZATION |
| 50 | \$45,345 | NATIONAL INST OF HEALTH | Comstock, Sarah | FOOD SCIENCE AND HUM NUTRITION ANR | A PRE-, PERI-, AND POST-NATAL APPROACH TO UNDERSTANDING THE RISK AND MECHANISMS FOR OBESITY |
| 51 | \$12,000 | WORLD HEALTH ORGANIZATION | Wu, Felicia | FOOD SCIENCE AND HUM NUTRITION ANR | REVIEW AND EVIDENCE SYNTHESIS OF DATA NEEDED TO ESTIMATE THE GLOBAL BURDEN OF DISEASE CAUSED BY FOODBORNE EXPOSURE TO AFLATOXIN B1 AND AFLATOXIN M1 |
| 52 | \$26,979 | UNIVERSITY OF MINNESOTA | Gailey, Samantha | FORESTRY | HOUSING POLICY, NEIGHBORHOOD CONTEXT, AND PATHWAYS TO MIDLIFE MORTALITY IN A SOCIAL EXPERIMENT |
| 53 | \$49,000 | USDA FOREST SERVICE | Huff, Emily | FORESTRY | REVEGETATION ASSISTANCE PROGRAM ASSESSMENT - IMPROVING PARTICIPATION RATES EFFECTIVENESS AND EQUITY |
| 54 | \$60,001 | US ENDOWMENT FOR FORESTRY & COMMUNITIES INC | Pokharel, Raju | FORESTRY | FORESTRUST: LIFE CYCLE ASSESSMENT (LCA) OF THOMPSON APPALACHIAN HARDWOOD SAWMILL |
| 55 | \$60,399 | NORTHWESTERN UNIV | Randall, Jesse | FORESTRY | INCREASING PRODUCTION CAPACITY, METABOLOMIC UNDERSTANDING, AND KNOWLEDGE OF CANCER SURVIVOR CONSUMER ATTITUDES OF MAPLE-BASED PRODUCTS FOR HEALTH PROMOTION |

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| 56 | \$277,807 | WORLD RESOURCES INSTITUTE | Skole, David | FORESTRY | TERRAMATCH CHAMPIONS PROJECT TRAINING, MAPPING, AND CARBON ESTIMATION |
| 57 | \$300,000 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Skole, David | FORESTRY | SOUTH ASIAN SMALLHOLDER FORESTS AND OTHER TREE-BASED SYSTEMS: SYNTHESIZING LCLUC DATA AND APPROACHES TO FOSTER A NATURAL CLIMATE SOLUTION THAT IMPROVES LIVELIHOODS |
| 58 | \$164,000 | NATIONAL SCIENCE FOUNDATION | Stark, Scott | FORESTRY | COLLABORATIVE RESEARCH: THE OTHER SIDE OF TROPICAL FOREST DROUGHT: DO SHALLOW WATER TABLE REGIONS OF AMAZONIA ACT AS LARGE-SCALE HYDROLOGIC REFUGIA FROM DROUGHT? |
| 59 | \$63,709 | MICHIGAN CHRISTMAS TREE ASSOC | Cregg, Bert | HORTICULTURE ANR | IMPROVING ESTABLISHMENT OF CHRISTMAS TREE PLANTATIONS THROUGH RESEARCH AND EDUCATION |
| 60 | \$25,000 | MICHIGAN STATE HORTICULTURAL SOCIETY | Einhorn, Todd | HORTICULTURE ANR | MATCHING NEW ROOTSTOCK TRAITS (DWARFING, PRODUCTIVITY, DISEASE RESISTANCE) TO MICHIGAN NEEDS |
| 61 | \$37,050 | HORTICULTURAL RESEARCH INST | Fernandez, Rodney | HORTICULTURE ANR | IMPROVING RECEPTION: BETTER DETECTION OF RFID PLANT LABELS WITH DRONE MOUNTED AND HANDHELD READERS |
| 62 | \$100,000 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Haus, Miranda | HORTICULTURE ANR | THE SOURCES AND EXTENT OF ROOT STUNTING DURING GROWTH IN LUNAR HIGHLAND REGOLITH AND ITS IMPACT ON LEGUME SYMBIOSES |
| 63 | \$32,850 | AMER FLORAL ENDOWMENT | Lopez, Roberto | HORTICULTURE ANR | DEVELOPING FOLIAGE STOCK PLANT AND PROPAGATION PROTOCOLS FOR TEMPERATE CLIMATES |
| 64 | \$21,200 | LONGWOOD GARDENS | Runkle, Erik | HORTICULTURE ANR | UNRESTRICTED GIFT IN FLORICULTURE RESEARCH |
| 65 | \$20,000 | MICHIGAN SOYBEAN COMMITTEE | Song, Guo-Qing | HORTICULTURE ANR | DEVELOP SHORT-SEASON SOYBEAN USING GENE EDITING TECHNOLOGIES |
| 66 | \$40,000 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | Vanderweide, Josh | HORTICULTURE ANR | IMPROVING MICHIGAN HOP AND BEER AROMA AND FLAVOR USING A BIOSTIMULANT |
| 67 | \$25,000 | MICHIGAN APPLE COMMITTEE | Vannocker, Steven | HORTICULTURE ANR | INCREASING APPLE PRODUCTION PROFITABILITY BY OPTIMIZING POLLINIZER EFFICIENCY IN SINGLE-VARIETY BLOCKS |
| 68 | \$39,900 | MICHIGAN APPLE COMMITTEE | Joodaky, Amin | PACKAGING | PREDICTIVE MODELING OF APPLE DISTRIBUTION HAZARDS USING MACHINE LEARNING |
| 69 | \$100,000 | US FOREST SERVICE FOREST PRODUCTS LABORATORY | Matuana, Laurent | PACKAGING | PERFORMANCE OF LAMINATE BARRIER FILMS |
| 70 | \$42,221 | MICHIGAN BEAN COMMISSION | Bales, Scott | PLANT SOIL AND MICROBIAL SCIENCES | 2022 SPECIALTY CROP BLOCK GRANT |

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|----|-----------|--|---------------------------------|-----------------------------------|--|
| 71 | \$750,000 | NATIONAL INST OF FOOD & AGRICULTURE | Blackwood, Christopher | PLANT SOIL AND MICROBIAL SCIENCES | TOWARDS ENHANCING CLIMATE MITIGATION POTENTIAL OF SWITCHGRASS BIOENERGY CROPPING SYSTEMS |
| 72 | \$50,000 | MICHIGAN POTATO INDUSTRY COMMISSION | Burns, Erin | PLANT SOIL AND MICROBIAL SCIENCES | EVALUATING NEW POTATO VARIETIES FOR HERBICIDE SENSITIVITY AND INVESTIGATING INTEGRATED WEED MANAGEMENT STRATEGIES FOR POTATOES |
| 73 | \$6,930 | BAYER CROPSCIENCE | Burns, Erin | PLANT SOIL AND MICROBIAL SCIENCES | TESTING OF BAYER PRODUCTS |
| 74 | \$11,761 | VARIOUS INDUSTRIES | Cassida, Kimberly | PLANT SOIL AND MICROBIAL SCIENCES | CASSIDA PSM TESTING |
| 75 | \$14,999 | NORTH CENTRAL SUSTAINABLE AGRICULTURE RESEARCH | Cassida, Kimberly | PLANT SOIL AND MICROBIAL SCIENCES | CAN LOW-COST NIR REFLECTOMETERS PREDICT POTENTIAL MINERALIZABLE NITROGEN IN ORGANIC FARMS? |
| 76 | \$7,500 | VARIOUS INDUSTRIES | Cassida, Kimberly | PLANT SOIL AND MICROBIAL SCIENCES | OLSON TESTING PROJECTS |
| 77 | \$40,000 | MICHIGAN SOYBEAN COMMITTEE | Chilvers, Martin | PLANT SOIL AND MICROBIAL SCIENCES | COMBATING WHITE MOLD THROUGH VARIETIES, FUNGICIDES, HERBICIDES, AND BIOLOGICALS |
| 78 | \$12,500 | MICHIGAN SOYBEAN COMMITTEE | Chilvers, Martin | PLANT SOIL AND MICROBIAL SCIENCES | RED CROWN ROT: A NEW THREAT TO SOYBEAN PRODUCTION |
| 79 | \$25,000 | MICHIGAN SOYBEAN COMMITTEE | Chilvers, Martin | PLANT SOIL AND MICROBIAL SCIENCES | FORECASTING RISKS AND EVALUATING VARIETIES AND SEED TREATMENTS FOR EFFECTIVE SDS AND SCN MANAGEMENT |
| 80 | \$40,000 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | Chilvers, Martin | PLANT SOIL AND MICROBIAL SCIENCES | ASSESSMENT OF PLANT VARIETIES AND DISEASE MANAGEMENT TO IMPROVE HOP AND BARLEY QUALITY |
| 81 | \$7,000 | UTZ QUALITY FOODS INC | Douches, David | PLANT SOIL AND MICROBIAL SCIENCES | UTZ |
| 82 | \$31,095 | AGRICULTURAL RESEARCH SERVICE | Douches, David | PLANT SOIL AND MICROBIAL SCIENCES | SCREENING SOLANUM SPECIES FOR ABIOTIC HEAT AND WATER STRESS |
| 83 | \$30,000 | MICHIGAN SOYBEAN COMMITTEE | Fleming, Grace | PLANT SOIL AND MICROBIAL SCIENCES | PRESOWING TREATMENTS TO IMPROVE GERMINATION OF EARLY-PLANTED SOYBEANS |
| 84 | \$50,262 | AGRICULTURAL RESEARCH SERVICE | Horgan, Brian | PLANT SOIL AND MICROBIAL SCIENCES | ACQUISITION OF GOODS AND SERVICES |
| 85 | \$19,500 | MICHIGAN SOYBEAN COMMITTEE | Lebeis, Sarah | PLANT SOIL AND MICROBIAL SCIENCES | THE IMPACT OF DROUGHT STRESS ON THE PHYSIOLOGICAL AND MICROBIAL DYNAMICS IN SOYBEAN ROOT |
| 86 | \$5,570 | VARIOUS INDUSTRIES | Long, Christopher | PLANT SOIL AND MICROBIAL SCIENCES | LONG POTATO TESTING |

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| 87 | \$40,000 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | Merewitz Holm, Emily | PLANT SOIL AND MICROBIAL SCIENCES | EXPLORATION OF PLANT MORPHOLOGY AND PHYSIOLOGICAL MECHANISMS TO AVOID WINTER INJURY IN BARLEY |
| 88 | \$90,500 | LEHIGH AGRICULTURE & BIOLOGICAL SERVICES INC | Miles, Timothy | PLANT SOIL AND MICROBIAL SCIENCES | GIFT TO SUPPORT RESEARCH PROGRAM |
| 89 | \$141,900 | VARIOUS INDUSTRIES | Miles, Timothy | PLANT SOIL AND MICROBIAL SCIENCES | MILES PSM TESTING |
| 90 | \$40,000 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | Miles, Timothy | PLANT SOIL AND MICROBIAL SCIENCES | REDUCED RISK MANAGEMENT TOOLS FOR LATE SEASON CLUSTER ROTS TO INCREASE CROP QUALITY OF MICHIGAN WINE GRAPES |
| 91 | \$15,500 | VARIOUS INDUSTRIES | Nikolai, Thomas | PLANT SOIL AND MICROBIAL SCIENCES | NIKOLAI PSM TESTING |
| 92 | \$29,877 | US GOLF ASSOC | Nikolai, Thomas | PLANT SOIL AND MICROBIAL SCIENCES | COMPARISON OF VARIABLE DEPTH ROOTZONE AND CAPILLARY HYDROPONIC SYSTEM GREENS TO PROMOTE SUSTAINABLE IRRIGATION PRACTICES |
| 93 | \$109,069 | UNIVERSITY OF CALIFORNIA DAVIS | Olson, Eric | PLANT SOIL AND MICROBIAL SCIENCES | NIFA CAP: LEVERAGING HIGH-THROUGHPUT GENOTYPING AND PHENOTYPING TECHNOLOGIES TO ACCELERATE WHEAT IMPROVEMENT AND MITIGATE THE IMPACTS OF CLIMATE CHANGE TECHNOLOGIES TO ACCELERATE WHEAT IMPROVEMENT |
| 94 | \$51,660 | UNIVERSITY OF ARKANSAS | Patterson, Eric | PLANT SOIL AND MICROBIAL SCIENCES | GENOMICS TO ELUCIDATE GLUFOSINATE RESISTANCE MECHANISMS IN AMARANTHUS PALMERI |
| 95 | \$30,000 | MICHIGAN SOYBEAN COMMITTEE | Patterson, Eric | PLANT SOIL AND MICROBIAL SCIENCES | MOLECULAR TOOLS TO SUPPORT THE SUSTAINABLE USE OF GROUP 14, PPO INHIBITING, HERBICIDES IN MICHIGAN SOYBEANS. |
| 96 | \$15,000 | MICHIGAN SOYBEAN COMMITTEE | Rojas, J. Alejandro | PLANT SOIL AND MICROBIAL SCIENCES | EVALUATING THE EFFECT OF FOLIAR FUNGICIDES ON GRAIN QUALITY IN SOYBEAN AND MANAGEMENT OPTIONS |
| 97 | \$10,000 | MICHIGAN SOYBEAN COMMITTEE | Singh, Maninderpal | PLANT SOIL AND MICROBIAL SCIENCES | EVALUATING SHORT- AND LONG-TERM IMPLICATIONS OF BIOLOGICAL SEED TREATMENTS IN MICHIGAN CROPPING SYSTEMS |
| 98 | \$20,000 | MISSISSIPPI STATE UNIV | Singh, Maninderpal | PLANT SOIL AND MICROBIAL SCIENCES | QUANTIFYING NITROGEN CREDITS FROM SOYBEAN |
| 99 | \$21,030 | VARIOUS INDUSTRIES | Singh, Maninderpal | PLANT SOIL AND MICROBIAL SCIENCES | SINGH PSM TESTING |
| 100 | \$22,000 | UNIVERSITY OF MINNESOTA | Singh, Maninderpal | PLANT SOIL AND MICROBIAL SCIENCES | MULTI-STATE VALIDATION OF MANAGEMENT METHODS FOR SUSTAINABLE SOY |
| 101 | \$20,000 | MICHIGAN SOYBEAN COMMITTEE | Singh, Maninderpal | PLANT SOIL AND MICROBIAL SCIENCES | STRATEGIES TO IMPROVE SOYBEAN YIELD AND PROFITS BASED ON PLANTING TIME |

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| 102 | \$20,000 | MICHIGAN SOYBEAN COMMITTEE | Singh, Maninderpal | PLANT SOIL AND MICROBIAL SCIENCES | USE OF BIOLOGICALS IN MICHIGAN SOYBEAN SYSTEMS: PRODUCT HANDLING AND LONG-TERM IMPLICATIONS |
| 103 | \$15,000 | MICHIGAN SOYBEAN COMMITTEE | Sprague, Christy | PLANT SOIL AND MICROBIAL SCIENCES | INVESTIGATING THE USE OF DRONES (UAVS) FOR WEED MANAGEMENT |
| 104 | \$22,577 | MICHIGAN SOYBEAN COMMITTEE | Sprague, Christy | PLANT SOIL AND MICROBIAL SCIENCES | PROVIDING SOLUTIONS FOR WEED MANAGEMENT CHALLENGES IN SOYBEAN |
| 105 | \$124,970 | VARIOUS INDUSTRIES | Sprague, Christy | PLANT SOIL AND MICROBIAL SCIENCES | SPRAGUE PSM TESTING |
| 106 | \$8,500 | MICHIGAN SOYBEAN COMMITTEE | Sprague, Christy | PLANT SOIL AND MICROBIAL SCIENCES | CONTINUED SUPPORT FOR WEED CONTROL SOLUTIONS IN NON-GMO SOYBEAN |
| 107 | \$27,720 | BAYER CROPSCIENCE | Sprague, Christy | PLANT SOIL AND MICROBIAL SCIENCES | TESTING OF BAYER PRODUCTS |
| 108 | \$24,000 | PURDUE UNIV | Sprague, Christy | PLANT SOIL AND MICROBIAL SCIENCES | REDUCING RISK IN SOYBEAN PRODUCTION BY BUILDING SUSTAINABILITY IN THE BEST MANAGEMENT PRACTICES FOR HERBICIDE-RESISTANT WEEDS (FY24) |
| 109 | \$48,000 | MICHIGAN SOYBEAN COMMITTEE | Steinke, Kurt | PLANT SOIL AND MICROBIAL SCIENCES | TARGETING NUTRIENT MANAGEMENT STRATEGIES TO ENHANCE SOYBEAN PRODUCTION |
| 110 | \$138,306 | VARIOUS INDUSTRIES | Steinke, Kurt | PLANT SOIL AND MICROBIAL SCIENCES | STEINKE PSM TESTING |
| 111 | \$75,600 | VARIOUS INDUSTRIES | Sundin, George | PLANT SOIL AND MICROBIAL SCIENCES | SUNDIN PSM TESTING |
| 112 | \$25,000 | MICHIGAN APPLE COMMITTEE | Sundin, George | PLANT SOIL AND MICROBIAL SCIENCES | TOLERANCE TO THE LAST RESORT BACTERICIDE KASUGAMYCIN IN THE FIRE BLIGHT PATHOGEN ERWINIA AMYLOVORA: ASSESSMENT AND MITIGATION |
| 113 | \$16,100 | MICHIGAN CHERRY COMMITTEE | Sundin, George | PLANT SOIL AND MICROBIAL SCIENCES | ISOLATION AND ANALYSIS OF BACTERIOPHAGE TARGETING THE BACTERIAL CANKER PATHOGEN PSEUDOMONAS SYRINGAE: POTENTIAL FOR BIOCONTROL |
| 114 | \$15,409 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | Sundin, George | PLANT SOIL AND MICROBIAL SCIENCES | FIELD SUSCEPTIBILITY TRIAL OF CIDER APPLE CULTIVARS TO BITTER ROT AND BLACK ROT |
| 115 | \$10,000 | MICHIGAN SOYBEAN COMMITTEE | Tiemann, Lisa | PLANT SOIL AND MICROBIAL SCIENCES | HARNESSING RHIZOSPHERE MICROBIOMES TO IMPROVE NITROGEN USE EFFICIENCY IN SOYBEAN PRODUCTION SYSTEMS |
| 116 | \$97,000 | VARIOUS INDUSTRIES | Vargas, Joseph | PLANT SOIL AND MICROBIAL SCIENCES | VARGAS PSM TESTING |
| 117 | \$180,555 | AGRICULTURAL RESEARCH SERVICE | Wang, Dechun | PLANT SOIL AND MICROBIAL SCIENCES | DISCOVER GENOMIC LOCI CONTROLLING ECONOMICALLY IMPORTANT AGRONOMIC TRAITS AND DEVELOP GENOMIC TOOLS TO ENABLE RAPID CHARACTERIZATION OF POPULATIONS AND SELECTION IN BREEDING PROGRAMS |

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| 118 | \$122,332 | MICHIGAN SOYBEAN COMMITTEE | Wang, Dechun | PLANT SOIL AND MICROBIAL SCIENCES | SOYBEAN BREEDING AND GENETIC IMPROVEMENT FOR MICHIGAN ENVIRONMENTS |
| 119 | \$57,000 | UNIVERSITY OF MINNESOTA | Wang, Dechun | PLANT SOIL AND MICROBIAL SCIENCES | SOYGEN3: BUILDING CAPACITY TO INCREASE SOYBEAN GENETIC GAIN FOR YIELD AND COMPOSITION THROUGH COMBINING GENOMICS-ASSISTED BREEDING WITH CHARACTERIZATION OF FUTURE ENVIRONMENTS |
| 120 | \$57,447 | MICHIGAN SOYBEAN COMMITTEE | Wang, Dechun | PLANT SOIL AND MICROBIAL SCIENCES | ENHANCE RESEARCH IN SOYBEAN FIELD EVALUATIONS IN MICHIGAN |
| 121 | \$15,000 | USDA FOREST SERVICE | Wessel, Barret | PLANT SOIL AND MICROBIAL SCIENCES | ECOSYSTEM RESILIENCE AND CLIMATE-ADAPTIVE FOREST MANAGEMENT STRATEGIES |
| 122 | \$73,100 | VARIOUS INDUSTRIES | Willbur, Jaime | PLANT SOIL AND MICROBIAL SCIENCES | WILLBUR PSM TESTING |
| 123 | \$72,242 | SOFTWOOD LUMBER BOARD | Berghorn, George | SCHOOL OF PLANNING DES CONSTRUCTION ANR | MASS TIMBER CONSTRUCTION MANAGEMENT EDUCATORS WORKSHOP |
| 124 | \$180,000 | FEONIX MOBILITY RISING | Kotval-Karamchandani, Zeenat | SCHOOL OF PLANNING DES CONSTRUCTION ANR | COMPASS-ACCESS TO HEALTHCARE |
| COLLEGE OF ARTS AND LETTERS | | | | | |
| 125 | \$224,954 | INTL RESEARCH & EXCHANGES BOARD | Hassan, Salah | AL GLOBAL STUDIES PROGRAM | MANDELA WASHINGTON FELLOWSHIP FOR YOUNG AFRICAN LEADERS |
| 126 | \$34,106 | PACIFIC NORTHWEST NATIONAL LABORATORY | Cardenas, Edgar | AL RESEARCH AND SCHOLARSHIP | INTEGRATED WASTE MANAGEMENT ORGANIZATIONAL CULTURE DEVELOPMENT |
| 127 | \$16,840 | NATIONAL SCIENCE FOUNDATION | O'Rourke, Michael | AL RESEARCH AND SCHOLARSHIP | TEAM SCIENCE TRAINING FOR THE NSF ENGINES PROGRAM - SUPPLEMENT TO A THEORY OF INTEGRATION IN CROSSDISCIPLINARY RESEARCH AND PRACTICE |
| 128 | \$624,599 | NATIONAL SCIENCE FOUNDATION | Rinkus, Marisa | AL RESEARCH AND SCHOLARSHIP | COMMUNITY BUILDING AND TEAM SCIENCE SUPPORT FOR THE GLOBAL CENTERS PROGRAM |
| 129 | \$251,645 | INST OF INTL EDUCATION | Albee, Mark | ENGLISH LANGUAGE CENTER | FULBRIGHT PRE-ACADEMIC PROGRAM |
| 130 | \$45,000 | NEWBERRY LIBRARY | Morseau, Blaire | RELIGIOUS STUDIES | INDIGENOUS FUTURES IN THE ARCHIVE |
| ELI BROAD COLLEGE OF BUSINESS | | | | | |
| 131 | \$304,332 | US DEPT OF EDUCATION | Kirca, Ahmet | INTERNATIONAL BUSINESS CENTER | CENTER FOR INTERNATIONAL BUSINESS EDUCATION RESEARCH: GLOBAL MINDSET DEVELOPMENT, ENGAGEMENT AND DISCOVERY FOR INTERNATIONAL COMPETITIVENESS |
| COLLEGE OF COMMUNICATION ARTS SCIENCES | | | | | |

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| 132 | \$68,924 | NATIONAL INST OF HEALTH | Naghbolhosseini, Maryam | COMMUNICATIVE SCIENCES DISORDERS CAS | BAYESIAN DATA-DRIVEN SUBJECT-SPECIFIC MODELING OF VOICE PRODUCTION |
| 133 | \$189,391 | NATIONAL INST OF HEALTH | Naghbolhosseini, Maryam | COMMUNICATIVE SCIENCES DISORDERS CAS | BAYESIAN DATA-DRIVEN SUBJECT-SPECIFIC MODELING OF VOICE PRODUCTION |
| 134 | \$718,389 | NATIONAL INST OF HEALTH | Venker, Courtney | COMMUNICATIVE SCIENCES DISORDERS CAS | HOW SINGLE-WORD AND TELEGRAPHIC SIMPLIFICATION AFFECTS LANGUAGE PROCESSING AND WORD LEARNING IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER |
| 135 | \$10,956 | UNIVERSITY OF MARYLAND | Chinni, Dante | JOURNALISM | ENVIRONMENTAL INJUSTICE AND DEATHS OF DESPAIR: LESSONS FROM MONTANA'S TRIBAL LANDS |
| COLLEGE OF EDUCATION | | | | | |
| 136 | \$3,321,687 | US AGENCY FOR INTL DEVELOPMENT | Garrels, Jessica | CED INTERNATIONAL STUDIES IN EDUCATION | STRENGTHENING SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS & EXPANDING DEGREE OPPORTUNITIES (SSTEMEDO) |
| 137 | \$80,250 | VARIOUS SCHOOLS | Paine, Lynn | CED INTERNATIONAL STUDIES IN EDUCATION | WORLD LANGUAGE TEACHER CERTIFICATION RESIDENCY PROGRAM |
| 138 | \$63,724 | WESTERN MICHIGAN UNIV | Beverly, Bryan | CED OUTREACH | WESTERN MICHIGAN UNIVERSITY HIL PROJECT - GRAND RAPIDS SOUTHEAST PROMISE NEIGHBORHOOD |
| 139 | \$118,500 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Carlson, John | COUNSELING, EDUC PSYCH SPEC EDUC | MOBILE CRISIS RESPONSE CAREGIVER EXPERIENCE SURVEY (MRCES) AMENDMENT |
| 140 | \$13,955 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Carlson, John | COUNSELING, EDUC PSYCH SPEC EDUC | HOME VISITING QUALITY IMPROVEMENT |
| 141 | \$34,000 | CLINTON COUNTY REGIONAL EDUCATIONAL SERVICE AGENCY | Fisher, Marisa | COUNSELING, EDUC PSYCH SPEC EDUC | CLINTON COUNTY RESA CONTRACT YEAR 3 |
| 142 | \$408,380 | NATIONAL INST OF HEALTH | Linnenbrink-Garcia, Lisa | COUNSELING, EDUC PSYCH SPEC EDUC | CONTEXTUAL FACTORS AND PSYCHOLOGICAL MECHANISMS THAT SUPPORT OR DISRUPT BIOMEDICAL CAREER PATHWAYS |
| 143 | \$7,722,448 | US DEPT OF EDUCATION | Schneider, Barbara | COUNSELING, EDUC PSYCH SPEC EDUC | A CULTURALLY RESPONSIVE PROJECT-BASED LEARNING INTERVENTION IN SECONDARY SCIENCE IN ALABAMA AND NORTH CAROLINA |
| 144 | \$14,950 | SIMMERSON | Sung, Connie | COUNSELING, EDUC PSYCH SPEC EDUC | APPLIED SOCIAL COGNITIVE SKILLS IN THE WORKPLACE FOR TRANSITION-AGED YOUTH WITH AUTISM SPECTRUM DISORDER |
| 145 | \$135,888 | VARIOUS SCHOOLS | Beverly, Bryan | EDUCATION DEAN | K-12 SCHOOL IMPROVEMENT TRAINING |

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| 146 | \$14,375 | SPENCER FOUNDATION | Jackson, Jerlando | EDUCATION DEAN | DEAN'S ALLIANCE RETREATS |
| 147 | \$1,264,487 | US DEPT OF EDUCATION | Imberman, Scott | EDUCATION POLICY CENTER | IMPROVING EDUCATION SYSTEMS THROUGH INTERDISCIPLINARY TRAINING AND PRACTICE: APPLYING SOCIAL SCIENCE TO EDUCATION POLICY AND IMPLEMENTATION RESEARCH |
| 148 | \$117,704 | COMMUNITY FOUNDATION OF GREATER FLINT | Kilbride, Tara | EDUCATION POLICY CENTER | FCEE PROGRAM EVALUATION DEVELOPMENT |
| 149 | \$35,000 | AMER INSTS FOR RESEARCH | Kilbride, Tara | EDUCATION POLICY CENTER | AIR CALDER WALTON COVID LEARNING |
| 150 | \$1,885,447 | TEACH FOR AMERICA | Mohr, Emily | EDUCATION POLICY CENTER | TEACH MICHIGAN QUANTITATIVE EVALUATION |
| 151 | \$104,420 | UNIVERSITY OF COLORADO BOULDER | Austin, Ann | EDUCATIONAL ADMINISTRATION | ADVANCE AND BEYOND: UNDERSTANDING PROCESSES OF INSTITUTIONAL CHANGE TO PROMOTE STEM EQUITY AND EDUCATION |
| 152 | \$27,500 | VANDERBILT UNIV | Cox, Brad | EDUCATIONAL ADMINISTRATION | POSTSECONDARY EDUCATION: AUTISTIC COLLEGE STUDENTS' EXPERIENCES OF SUCCESS (PEACES) |
| 153 | \$27,472 | UMASS CHAN MEDICAL SCHOOL | Harkey, Matthew | KINESIOLOGY ED | INTERPRETATION AND UTILITY OF NOVEL COMPOSITE STRUCTURAL ENDPOINTS OF CUMULATIVE DAMAGE AND DISEASE ACTIVITY IN KNEE OSTEOARTHRITIS (GRANT 1R01AR076411) |
| 154 | \$127,126 | NATIONAL INST OF HEALTH | Harkey, Matthew | KINESIOLOGY ED | WALK THIS WAY: PHYSICAL ACTIVITY AND WALKING BIOMECHANICS LEAD TO EARLY KNEE OA SYMPTOMS AND ULTRASOUND-DETECTED STRUCTURAL PATHOLOGY AFTER ACL RECONSTRUCTION |
| 155 | \$148,968 | UNIVERSITY OF MICHIGAN | Pfeiffer, Karin | KINESIOLOGY ED | THE CHAMP AFTER SCHOOL PROGRAM: PROMOTING PHYSICAL ACTIVITY & HEALTH IN CHILDREN |
| 156 | \$26,257 | UNIVERSITY OF CONNECTICUT | Gotwals, Amelia | TEACHER EDUCATION | THE IMPACTS OF EARLY CHILDHOOD SCIENCE, TECHNOLOGY, AND ENGINEERING INTERVENTIONS ON STUDENT LEARNING AND CLASSROOM INSTRUCTION: A META-ANALYSIS |
| 157 | \$483,045 | SPENCER FOUNDATION | Rodríguez, Noreen | TEACHER EDUCATION | CREATING TRANSFORMATIVE POSSIBILITY IN SCHOOLS AND COMMUNITIES: ASIAN AMERICAN STUDIES IN DIVERGENT POLITICAL CONTEXTS |
| COLLEGE OF ENGINEERING | | | | | |
| 158 | \$550,319 | NATIONAL INST OF HEALTH | Gilad, Assaf | BIOMEDICAL ENGINEERING | EVOLUTION AND OPTIMIZATION OF SYNTHETIC <READ/WRITE> FUNCTION FROM AND INTO CELLS USING GENETIC PROGRAMMING |
| 159 | \$200,000 | FORD MOTOR CO | Fang, Chengcheng | CHEMICAL ENGINEERING AND MATERIALS SCI | MSU-2181 |
| 160 | \$123,181 | PENNSYLVANIA STATE UNIV | Hickner, Michael | CHEMICAL ENGINEERING AND MATERIALS SCI | VAT THERMAL- AND PHOTO-POLYMERIZATION ADDITIVE MANUFACTURING FOR SIC-BASED CMCS |

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|-----|-----------|--|---------------------------------|--|--|
| 161 | \$40,000 | MICHIGAN CRAFT BEVERAGE COUNCIL | Shriner, Nicole | CHEMICAL ENGINEERING AND MATERIALS SCI | INVESTIGATING MICHIGAN GRAIN TERROIR: EVALUATION OF MICHIGAN GRAIN VARIETIES VIA PHENOLIC ACID DETERMINATION BY HPLC |
| 162 | \$289,946 | NATIONAL INST OF GENERAL MEDICAL SCIENCES | Walton, S. Patrick | CHEMICAL ENGINEERING AND MATERIALS SCI | NOVEL, SCALABLE APPROACH FOR ISOLATION OF EXOMERES FOR RNA DELIVERY |
| 163 | \$296,729 | NATIONAL SCIENCE FOUNDATION | Wang, Ruigang | CHEMICAL ENGINEERING AND MATERIALS SCI | SURFACE ENGINEERED AND HIGHLY REDOX ACTIVE POLAR OXIDE HOST MATERIALS IMMOBILIZING LITHIUM POLYSULFIDES FOR LONG-LIFE AND HIGH-PERFORMANCE LI-S BATTERIES |
| 164 | \$330,743 | NATIONAL SCIENCE FOUNDATION | Wang, Ruigang | CHEMICAL ENGINEERING AND MATERIALS SCI | CAS-CLIMATE: UNDERSTANDING THE FUNDAMENTAL REDOX CHEMISTRY AND TRANSPORT OF CHLOROALUMINATE ANIONS IN IONIC LIQUID ELECTROLYTES TO DEVELOP EARTH-ABUNDANT ALUMINUM ION BATTERY |
| 165 | \$55,000 | NATIONAL SCIENCE FOUNDATION | Zevalkink, Alexandra | CHEMICAL ENGINEERING AND MATERIALS SCI | INTERN DCL: CAREER: DECOUPLING STRUCTURE AND COMPOSITION WITH ZINTL POLYMORPHS |
| 166 | \$117,909 | NATIONAL SCIENCE FOUNDATION | Zevalkink, Alexandra | CHEMICAL ENGINEERING AND MATERIALS SCI | CAREER: DECOUPLING STRUCTURE AND COMPOSITION WITH ZINTL POLYMORPHS |
| 167 | \$100,000 | DEFENSEWERX INC. | Anctil, Annick | CIVIL AND ENVIRONMENTAL ENGINEERING | ENERGYWERX--CLEAN ENERGY SUPPLY CHAINS STRATEGY - SOLAR PV |
| 168 | \$110,000 | MINNESOTA DEPT OF TRANSPORTATION | Cetin, Bora | CIVIL AND ENVIRONMENTAL ENGINEERING | MNDOT HAUL/DETOUR ROUTES – IMPACTS ON LOCAL ROADS |
| 169 | \$70,000 | STATE OF IOWA DEPT OF TRANSPORTATION | Cetin, Bora | CIVIL AND ENVIRONMENTAL ENGINEERING | INTRODUCING SMART MATERIALS IN GRANULAR ROADWAY AND PAVEMENT FOUNDATION SYSTEMS FOR MITIGATING FREEZE-THAW DAMAGE |
| 170 | \$55,000 | NATIONAL SCIENCE FOUNDATION | Cetin, Bora | CIVIL AND ENVIRONMENTAL ENGINEERING | ENGINEERED WATER REPELLENCY TO MITIGATE FROST SUSCEPTIBILITY: DECOUPLING OSMOTIC AND MATRIC POTENTIAL |
| 171 | \$88,090 | MICHIGAN DEPT OF TRANSPORTATION | Congress, Surya Sarat Chandra | CIVIL AND ENVIRONMENTAL ENGINEERING | MICHIGAN (ONE POINT) CONE TEST EVALUATION |
| 172 | \$163,000 | ENGINEERING AND SOFTWARE CONSULTANTS LLC (ESC) | Kutay, Muhammed | CIVIL AND ENVIRONMENTAL ENGINEERING | ACCELERATING PERFORMANCE TESTING USING THE ASPHALT MIXTURE PERFORMANCE TESTER (AMPT) EQUIPMENT |
| 173 | \$90,000 | UNIVERSITY OF MICHIGAN | Pokhrel, Yadu | CIVIL AND ENVIRONMENTAL ENGINEERING | FLOOD FORECASTING IN THE GREAT LAKES REGION |

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|-----|-----------|---|---------------------------------|-------------------------------------|---|
| 174 | \$670,888 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Xagorarakis, Irene | CIVIL AND ENVIRONMENTAL ENGINEERING | WASTEWATER EVALUATION AND REPORTING NETWORK PROJECT - XAGORARAKI |
| 175 | \$198,247 | FORD MOTOR CO | Yu, Hui-Chia | COMPUTATIONAL MATH SCI AND ENGR EGR | MSU-2111 |
| 176 | \$93,322 | NATIONAL SCIENCE FOUNDATION | Cao, Zhichao | COMPUTER SCIENCE AND ENGINEERING | CAREER: LORA ENABLED SPACE-AIR-GROUND INTEGRATED NETWORKS FOR NEXT-GENERATION AGRICULTURAL IOT |
| 177 | \$31,245 | CLEVELAND CLINIC FOUNDATION | Dolson, Emily | COMPUTER SCIENCE AND ENGINEERING | CONTROLLING EVOLUTION IN A HETEROGENEOUS TUMOR: INCORPORATING ECOLOGICAL EPISTASIS INTO A QUANTUM-INSPIRED DRIVING ALGORITHM |
| 178 | \$20,000 | AMAZON WEB SERVICES INC | Liu, Hui | COMPUTER SCIENCE AND ENGINEERING | HARNESSING THE POWER OF WEAKLY-SUPERVISED GRAPH REPRESENTATION LEARNING FOR CYBERSECURITY |
| 179 | \$50,000 | US ARMY RESEARCH OFFICE | Liu, Sijia | COMPUTER SCIENCE AND ENGINEERING | LIFELONG MULTIMODAL FUSION BY CROSS LAYER DISTRIBUTED OPTIMIZATION |
| 180 | \$25,000 | TOOLS FOR HUMANITY CORPORATION | Ross, Arun | COMPUTER SCIENCE AND ENGINEERING | MEMBERSHIP FEE FOR CITER-TOOLS FOR HUMANITY |
| 181 | \$7,500 | US ARMY RESEARCH OFFICE | Zeng, Huacheng | COMPUTER SCIENCE AND ENGINEERING | CONFERENCE SUPPORT FOR 2024 IEEE INFOCOM |
| 182 | \$10,000 | NATIONAL SCIENCE FOUNDATION | Aviyente, Selin | ELECTRICAL AND COMPUTER ENGINEERING | CIF: SMALL: MULTIVIEW GRAPH LEARNING WITH APPLICATIONS TO SINGLE CELL GENE EXPRESSION NETWORKS |
| 183 | \$66,419 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Ayres, Virginia | ELECTRICAL AND COMPUTER ENGINEERING | QUANTUM DEMONSTRATION PROJECT |
| 184 | \$227,539 | NATIONAL SCIENCE FOUNDATION | Ben-Idris, Mohammed | ELECTRICAL AND COMPUTER ENGINEERING | CAREER: RELIABILITY AND RESILIENCE ASSURANCE OF CYBER-PHYSICAL ENERGY SYSTEMS |
| 185 | \$110,000 | 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 |
| 186 | \$152,990 | OFFICE OF NAVAL RESEARCH | Ettorre, Mauro | ELECTRICAL AND COMPUTER ENGINEERING | LONG SLOT ARRAYS FOR HIGH POWER MICROWAVES |
| 187 | \$60,000 | NISSAN MOTOR CO | Fan, Qi | ELECTRICAL AND COMPUTER ENGINEERING | ADVANCED COATINGS ON METAL SHEETS FOR VERSATILE APPLICATIONS |
| 188 | \$34,690 | UNIVERSITY OF MICHIGAN | Grotjohn, Timothy | ELECTRICAL AND COMPUTER ENGINEERING | MATERIALS AND DEVICES CO-DESIGN FOR NEXT-GENERATION COMMUNICATION SYSTEMS |
| 189 | \$78,600 | DEFENSEWERX INC. | Hodek, Matthew | ELECTRICAL AND COMPUTER ENGINEERING | MILLIMETER-WAVE HARDWARE DEMONSTRATION FOR 6G COMMUNICATIONS |

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|-----|-----------|--|---------------------------------|-------------------------------------|---|
| 190 | \$130,000 | ELECTRIC POWER RESEARCH INST | Karpenko, Oleksii | ELECTRICAL AND COMPUTER ENGINEERING | SIMULATION MODEL FOR EDDY CURRENT STEAM GENERATOR INSPECTION |
| 191 | \$69,075 | OFFICE OF NAVAL RESEARCH | Kiumarsi, Bahare | ELECTRICAL AND COMPUTER ENGINEERING | TOWARDS HIGH-CONFIDENCE REINFORCEMENT LEARNING ALGORITHMS FOR SAFETY-CRITICAL SYSTEMS VIA DUAL PROCESS THEORY OF REASONING |
| 192 | \$115,724 | FRAUNHOFER USA | Li, Wen | ELECTRICAL AND COMPUTER ENGINEERING | FRAUNHOFER CENTER RENEWAL |
| 193 | \$30,000 | SANDIA NATIONAL LABORATORIES | Mitra, Joydeep | ELECTRICAL AND COMPUTER ENGINEERING | RELIABILITY FOUNDATIONS FOR OPERATING STRATEGIES FOR LONG DURATION STORAGE |
| 194 | \$119,639 | US ARMY RESEARCH OFFICE | Nanzer, Jeffrey | ELECTRICAL AND COMPUTER ENGINEERING | HIGH-ACCURACY LOCALIZATION FOR DISTRIBUTED ANTENNA ARRAYS |
| 195 | \$60,000 | LAWRENCE LIVERMORE NATIONAL LABORATORY | Nanzer, Jeffrey | ELECTRICAL AND COMPUTER ENGINEERING | NEAR-FIELD MICROWAVE BEAMFORMING FOR VOLUMETRIC ADDITIVE MANUFACTURING |
| 196 | \$382,203 | NATIONAL SCIENCE FOUNDATION | Li, Jinxing | INSTITUTE FOR QUANTITATIVE HEALTH | CAREER: MULTISENSORY SOFT BIOELECTRONICS FOR COMPREHENSIVE MONITORING OF GASTROINTESTINAL PHYSIOLOGICAL INTERPLAY |
| 197 | \$39,758 | NATIONAL INST OF HEALTH | Li, Wen | INSTITUTE FOR QUANTITATIVE HEALTH | MICROFABRICATED ALL-DIAMOND MICROELECTRODE ARRAYS FOR NEUROTRANSMITTER SENSING AND EXTRACELLULAR RECORDING |
| 198 | \$491,020 | NATIONAL INST OF HEALTH | Smith, Bryan | INSTITUTE FOR QUANTITATIVE HEALTH | MACROPHAGE-SPECIFIC NANOTHERAPY FOR BREAST CANCER |
| 199 | \$187,344 | SPECTRUM HEALTH - MSU ALLIANCE CORP | Smith, Bryan | INSTITUTE FOR QUANTITATIVE HEALTH | SELECTIVE NANOIMMUNOTHERANOSTIC AGENTS FOR ATHEROSCLEROTIC PLAQUE MANAGEMENT |
| 200 | \$792,000 | AMER CANCER SOCIETY INC | Smith, Bryan | INSTITUTE FOR QUANTITATIVE HEALTH | NANOPARTICLE ANTAGONISM OF TUMOR-ASSOCIATED IMMUNOSUPPRESSION TO IMPROVE BREAST CANCER THERAPY |
| 201 | \$48,000 | HENRY FORD HEALTH SYSTEM MICHIGAN STATE UNIVERSITY HEALTH SCIENCES | Smith, Bryan | INSTITUTE FOR QUANTITATIVE HEALTH | PRECISION CONTROL OF DRUG RELEASE USING MPI-BASED MONITORING TO IMPROVE BRAIN METASTASES TREATMENT |
| 202 | \$50,000 | US DEPT OF ENERGY | Anthony, Rebecca | MECHANICAL ENGINEERING | COMPREHENSIVE DIAGNOSTICS FOR BOND-SELECTIVE NANOCARBON GROWTH IN PLASMAS |
| 203 | \$461,292 | THE GENEVA FOUNDATION | Mejia, Ricardo | MECHANICAL ENGINEERING | FASCICULAR TRACKING IN OVINE NERVOUS SYSTEM AFTER BLAST EXPOSURE WITH HIGH DEFINITION FIBER TRACKING AND DIFFUSION TENSOR IMAGING |
| 204 | \$111,979 | SPECTRUM HEALTH - MSU ALLIANCE CORP | Pelled, Galit | MECHANICAL ENGINEERING | DEVELOPING A TRANSLATIONAL PRECISION MEDICINE PLATFORM FOR PEDIATRIC TRAUMATIC BRAIN INJURY |
| 205 | \$172,568 | OFFICE OF NAVAL RESEARCH | Tai, Wei-Che | MECHANICAL ENGINEERING | CONCURRENT VIBRATION CONTROL AND ENERGY HARVESTING OF ELECTRICALLY INTERCONNECTED SUSPENSION WITH NONLINEAR ENERGY HARVESTING SHOCK ABSORBERS |

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| COLLEGE OF HUMAN MEDICINE | | | | | |
| 206 | \$6,969 | CENTRAL MICHIGAN UNIV | Cascio, Ariel | CENTER FOR BIOETHICS AND SOCIAL JUSTICE | TOWARDS IMPROVING HEALTHCARE FOR PEOPLE WITH DISABILITIES: INCREASING EDUCATION AND TRAINING FOR HEALTHCARE STUDENTS WITH REGARD TO PATIENTS WITH DISABILITIES |
| 207 | \$105,058 | UNIVERSITY OF WASHINGTON | Pham, Michelle | CENTER FOR BIOETHICS AND SOCIAL JUSTICE | CARING FOR BRAIN PIONEERS: UNDERSTANDING AND ENHANCING FAMILY AND RESEARCHER SUPPORT IN NEURAL DEVICE TRIALS |
| 208 | \$3,000,000 | SKYLINE FOUNDATION | Hanna-Attisha, Mona | CS MOTT DEPARTMENT OF PUBLIC HEALTH | RX KIDS: PRENATAL AND INFANT ALLOWANCES IN FLINT, MI |
| 209 | \$16,500,000 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Hanna-Attisha, Mona | CS MOTT DEPARTMENT OF PUBLIC HEALTH | RX KIDS: PRENATAL AND INFANT ALLOWANCES IN FLINT, MI |
| 210 | \$1,000,000 | CITY OF FLINT | Hanna-Attisha, Mona | CS MOTT DEPARTMENT OF PUBLIC HEALTH | RX KIDS: A PRENATAL AND INFANT ALLOWANCE PILOT IN FLINT, MI |
| 211 | \$1,000,000 | DORIS DUKE CHARITABLE FOUNDATION | Hanna-Attisha, Mona | CS MOTT DEPARTMENT OF PUBLIC HEALTH | RX KIDS: PRENATAL AND INFANT ALLOWANCES IN FLINT, MI |
| 212 | \$1,000,000 | W K KELLOGG FOUNDATION | Hanna-Attisha, Mona | CS MOTT DEPARTMENT OF PUBLIC HEALTH | RX KIDS: PRENATAL AND INFANT ALLOWANCES IN FLINT, MI |
| 213 | \$746,296 | NATIONAL INST OF HEALTH | Johnson, Jennifer | CS MOTT DEPARTMENT OF PUBLIC HEALTH | MEETING WOMEN WHERE THEY ARE: MULTILEVEL INTERVENTION ADDRESSING RACIAL DISPARITIES IN MATERNAL MORBIDITY AND MORTALITY |
| 214 | \$29,500 | COREWELL HEALTH | McCoy White, Jonne | CS MOTT DEPARTMENT OF PUBLIC HEALTH | ALLIANCE FOR INNOVATION ON MATERNAL HEALTH COMMUNITY CARE INITIATIVE |
| 215 | \$300,000 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Ondersma, Steven | CS MOTT DEPARTMENT OF PUBLIC HEALTH | MICHIGAN STATE OPIOID RESPONSE 2 PROJECT "HT2 TECHNOLOGY PROPOSAL (HT2 MI) SAMHSA STATE OPIOID RESPONSE |
| 216 | \$120,000 | GREATER FLINT HEALTH COALITION | Uphold, Heatherlun | CS MOTT DEPARTMENT OF PUBLIC HEALTH | EXAMINATION OF EMERGENCY MEDICAL SERVICES IN GENESEE COUNTY |
| 217 | \$35,133 | 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). |
| 218 | \$319,771 | FOOD BANK COUNCIL OF MICHIGAN | Kerver, Jean | EPIDEMIOLOGY AND BIOSTATISTICS | MICHIGAN HUNGER STUDY |
| 219 | \$25,000 | UNIVERSITY OF MICHIGAN | Kerver, Jean | EPIDEMIOLOGY AND BIOSTATISTICS | ECHO INITIATIVE YEAR 5 |

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| 220 | \$691,313 | NATIONAL INST OF HEALTH | Lockhart, Elizabeth | EPIDEMIOLOGY AND BIOSTATISTICS | A MULTILEVEL, MULTIPHASE OPTIMIZATION STRATEGY FOR PREP: PATIENTS AND PROVIDERS IN PRIMARY CARE |
| 221 | \$63,839 | UNIVERSITY OF COLORADO | Luo, Zhehui | EPIDEMIOLOGY AND BIOSTATISTICS | IMPLEMENTING OBESITY TREATMENT IN PRIMARY CARE UTILIZING EVIDENCE-BASED STRUCTURES |
| 222 | \$33,994 | RESEARCH FOUNDATION FOR MENTAL HYGIENE INC | Misra, Dawn | EPIDEMIOLOGY AND BIOSTATISTICS | CONTRIBUTION OF MATERNAL IMMUNE ACTIVATION, VIRAL INFECTION AND EPIGENETICS TO AUTISM: A COMMUNITY-BASED CASE CONTROL STUDY |
| 223 | \$864,728 | NATIONAL CANCER INST | Neslund-Dudas, Christine | EPIDEMIOLOGY AND BIOSTATISTICS | HFH-MSU CSRN ACCRUAL ENROLLMENT AND SCREENING SITE |
| 224 | \$50,643 | UNIVERSITY OF MICHIGAN | Paneth, Nigel | EPIDEMIOLOGY AND BIOSTATISTICS | SYSTEMS MODELING TO ADDRESS THE SOCIAL AND BIOLOGICAL DRIVERS OF DISPARITIES IN INFECTION AND MORTALITY FROM EMERGING INFECTIOUS DISEASES |
| 225 | \$47,554 | US DEPT OF VETERANS AFFAIRS | Reeves, Mathew | EPIDEMIOLOGY AND BIOSTATISTICS | RICHARD L. ROUDEBUSH VA MEDICAL CENTER IPA AGREEMENT WITH MATHEW REEVES |
| 226 | \$249,000 | NATIONAL INST DIABETES & DIGESTIVE & KIDNEY DISEASES | Reynolds, Evan | EPIDEMIOLOGY AND BIOSTATISTICS | PREDICTING COMPLICATIONS OF DIABETES WITH LONGITUDINAL METABOLIC TRAJECTORIES |
| 227 | \$245,000 | MICHIGAN STATE POLICE | Arnetz, Bengt | FAMILY MEDICINE, DEPARTMENT OF | VIRTUAL REALITY DE-ESCALATION SITE-BASED INITIATIVE |
| 228 | \$613,476 | NATIONAL CANCER INST | Sikorskii, Alla | HUMAN MEDICINE DEAN | MANAGING SYMPTOMS AND PSYCHOLOGICAL DISTRESS DURING ORAL ANTI-CANCER TREATMENT |
| 229 | \$420,780 | NATIONAL INST OF HEALTH | Arora, Ripla | INSTITUTE FOR QUANTITATIVE HEALTH | SIGNALING MECHANISMS THAT MODULATE UTERINE 3D STRUCTURE FOR PREGNANCY SUCCESS |
| 230 | \$22,031 | NATIONAL INST OF HEALTH | Gu, Bin | INSTITUTE FOR QUANTITATIVE HEALTH | DEVELOPING A CLINICALLY-RELEVANT GENETICALLY ENGINEERED MOUSE MODEL FOR NUT CARCINOMA |
| 231 | \$7,488 | NATIONAL INST OF HEALTH | Hardy, Jonathan | INSTITUTE FOR QUANTITATIVE HEALTH | NOVEL ANTIBIOFILM TREATMENTS FOR PSEUDOMONAS AERUGINOSA INFECTION |
| 232 | \$915,481 | NATIONAL INST OF HEALTH | Knickmeyer, Rebecca | INSTITUTE FOR QUANTITATIVE HEALTH | GENETIC INFLUENCES ON INFANT BRAIN DEVELOPMENT: UNDERSTANDING THE DEVELOPMENTAL ORIGINS OF MENTAL ILLNESS |
| 233 | \$233,045 | UNIVERSITY OF CALIFORNIA DAVIS | de los Campos, Gustavo | INSTITUTE FOR QUANTITATIVE HEALTH | PLATFORMS AND METHODS FOR SHARING AND COLLABORATION ON AG2P USING PUBLIC AND CONFIDENTIAL DATA |
| 234 | \$676,705 | NATIONAL INST FOR OCCUPATIONAL SAFETY & HEALTH | Harduar Morano, Laurel | MEDICINE | EXPANDED PROGRAM IN OCCUPATIONAL INJURY AND ILLNESS SURVEILLANCE |
| 235 | \$466,635 | NATIONAL HEART LUNG & BLOOD INST | Hong, Charles | MEDICINE | MECHANISTIC INSIGHTS INTO THE ROLE OF MICROTUBULE ORGANIZING CENTERS ON CARDIOMYOCYTE STRUCTURE AND FUNCTION |

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| 236 | \$142,027 | UNIVERSITY OF MARYLAND | Hong, Charles | MEDICINE | GPR68 AS A NOVEL MODULATOR OF SEPTIC LUNG INJURY |
| 237 | \$658,092 | NATIONAL CANCER INST | Mi, Qing-Sheng | MEDICINE | VPS72 CONTROLS TREG CELL STABILITY AND ADAPTATION TO TUMOR MICROENVIRONMENT |
| 238 | \$643,731 | NATIONAL INST OF HEALTH | Olomu, Adesuwa | MEDICINE | IMPROVING DIABETIC PATIENTS' ADHERENCE TO TREATMENT AND PREVENTION OF CARDIOVASCULAR DISEASE |
| 239 | \$68,207 | BURROUGHS WELLCOME FUND | Fazleabas, Asgerally | OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO | REPRODUCTIVE AND DEVELOPMENTAL SCIENCES SUMMER UNDERGRADUATE RESEARCH PROGRAM FOR DIVERSE TRAINEES |
| 240 | \$49,229 | NATIONAL INST OF CHILD HEALTH & HUMAN DEVELOPMENT | Fazleabas, Asgerally | OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO | REGULATION OF ENDOMETRIOTIC LESION DEVELOPMENT BY NOTCH1 |
| 241 | \$203,911 | NATIONAL INST OF HEALTH | Latham, Keith | OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO | REPRODUCTIVE AND DEVELOPMENTAL SCIENCES TRAINING PROGRAM - T32 |
| 242 | \$9,145 | NATIONAL INST OF HEALTH | MacKeigan, Jeffrey | OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO | ULK1 INHIBITOR IN COMBINATION WITH IMMUNE CHECKPOINT BLOCKADE IN PANCREATIC CANCER |
| 243 | \$30,404 | SPECTRUM HEALTH SYSTEM | Meghea, Cristian | OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO | ALLIANCE FOR INNOVATION ON MATERNAL HEALTH COMMUNITY CARE INITIATIVE (AIM CCI) |
| 244 | \$72,335 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Poland, Cara | OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO | MI-CARES (SOR3) |
| 245 | \$8,332 | SPECTRUM HEALTH SYSTEM | Roman, Leeanne | OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO | HEALTHY START INITIATIVE: ELIMINATING DISPARITIES IN PERINATAL HEALTH |
| 246 | \$105,000 | SPECTRUM HEALTH SYSTEM | Roman, Leeanne | OBSTETRICS GYNECOLOGY REPRODUCTIVE BIO | STRONG BEGINNINGS |
| 247 | \$61,131 | NATIONAL INST OF HEALTH | Bachmann, Andre | PEDIATRICS AND HUMAN DEVELOPMENT | LEVERAGING MODULATION OF POLYAMINE METABOLISM FOR THERAPEUTIC ADVANTAGE IN GENETIC DISORDERS |
| 248 | \$75,000 | ORBUS THERAPEUTICS | Bachmann, Andre | PEDIATRICS AND HUMAN DEVELOPMENT | TREATMENT OF ALOPECIA AREATA WITH DFMO |
| 249 | \$60,249 | UNIVERSITY OF TOLEDO | Chen, Bin | PEDIATRICS AND HUMAN DEVELOPMENT | DORMANCY MIMICKING TO INHIBIT PROSTATE CANCER METASTASIS PROGRESSION AND RECURRENCE |

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| 250 | \$420,807 | NATIONAL INST OF HEALTH | Chen, Bin | PEDIATRICS AND HUMAN DEVELOPMENT | VIRTUAL COMPOUND SCREENING USING GENE EXPRESSION |
| 251 | \$403,000 | CASCADE HEMOPHILIA CONSORTIUM | Jobe, Shawn | PEDIATRICS AND HUMAN DEVELOPMENT | CASCADE HEMOPHILIA CONSORTIUM |
| 252 | \$8,000 | HEMOPHILIA ALLIANCE | Jobe, Shawn | PEDIATRICS AND HUMAN DEVELOPMENT | HEMOPHILIA ALLIANCE FOUNDATION |
| 253 | \$7,500 | SPECTRUM HEALTH - MSU ALLIANCE CORP | Li, Xiaopeng | PEDIATRICS AND HUMAN DEVELOPMENT | PILOT STUDIES FOR FIBROSING LUNG DISEASE THERAPEUTICS CENTER OF EXCELLENCE |
| 254 | \$109,332 | AUGUSTA UNIVERSITY | Pozzo-Miller, Lucas | PEDIATRICS AND HUMAN DEVELOPMENT | THE ROLE OF CHD7 IN ACC NEURONS |
| 255 | \$7,500 | WAYNE STATE UNIV | Turner, Jane | PEDIATRICS AND HUMAN DEVELOPMENT | MICHIGAN LEADERSHIP EDUCATION IN NEURODEVELOPMENTAL AND RELATED DISABILITIES (MI-LEND) |
| 256 | \$24,422 | NATIONAL INST OF HEALTH | Mahmoudi, Morteza | RADIOLOGY HUMAN MEDICINE | A NANOSTRUCTURED SKIN PATCH TO HEAL CHRONIC WOUNDS |
| 257 | \$7,817 | HENRY FORD HEALTH SYSTEM | Moore, Anna | RADIOLOGY HUMAN MEDICINE | SIRNA-BASED GOLD NANOPARTICLES AS A THERAPEUTIC ENHANCER FOR TNBC RADIOTHERAPY |
| 258 | \$30,909 | NATIONAL INST OF HEALTH | Sempere, Lorenzo | RADIOLOGY HUMAN MEDICINE | IMAGE-GUIDED INTRADUCTAL ABLATIVE PROCEDURE FOR PRIMARY PREVENTION OF BREAST CANCER |
| 259 | \$37,067 | 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 |
| 260 | \$66,341 | UNIVERSITY OF ARIZONA | Collier, Kathy | TRANSLATIONAL NEUROSCIENCE | MECHANISMS OF LOW-DOSE KETAMINE TREATMENT FOR PARKINSON'S DISEASE |
| 261 | \$300,000 | COINS FOR ALZHEIMERS RESEARCH TRUST (CART) FUND | Gordon, Marcia | TRANSLATIONAL NEUROSCIENCE | ROLE OF MICROGLIAL CELLULAR SENESCENCE IN A MOUSE MODEL WITH AMYLOID-INDUCED TAUOPATHY |
| 262 | \$431,750 | NATIONAL INST ON AGING | Kanaan, Nicholas | TRANSLATIONAL NEUROSCIENCE | DEVELOPMENT AND VALIDATION OF A NOVEL ANTI-PATHOGENIC TAU CONFORMATION (TNT2) SCFV IMMUNO-GENE THERAPY |
| 263 | \$46,527 | DANAHER DIAGNOSTICS LLC | Morgan, David | TRANSLATIONAL NEUROSCIENCE | PLASMA AUTOANTIBODY SIGNATURES IN OLDER ADULTS WITH COGNITIVE DECLINE |
| 264 | \$242,656 | NATIONAL INST OF ENVIRONMENTAL HEALTH SCIENCES | Sammi, Shreesh | TRANSLATIONAL NEUROSCIENCE | ELUCIDATION OF MITOCHONDRIAL MECHANISMS CRITICAL TO MEDIATING PFAS NEUROTOXICITY |
| 265 | \$49,321 | TAKEDA PHARMACEUTICAL CO LTD | Sortwell, Caryl | TRANSLATIONAL NEUROSCIENCE | SYNUCLEINOPATHY TRIGGERED NLRP3 INFLAMMASOME |

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|-----------------------------------|-----------|---|---------------------------------|------------------------------------|---|
| 266 | \$105,485 | UNIVERSITY OF MICHIGAN | Vega, Irving | TRANSLATIONAL NEUROSCIENCE | MICHIGAN ALZHEIMER'S DISEASE RESEARCH CENTER-SUPPLEMENT |
| 267 | \$30,422 | UNIVERSITY OF MICHIGAN | Vega, Irving | TRANSLATIONAL NEUROSCIENCE | MICHIGAN CENTER FOR CONTEXTUAL FACTORS IN ALZHEIMER'S DISEASE |
| JAMES MADISON COLLEGE | | | | | |
| 268 | \$20,000 | JACK MILLER CENTER | Cash, Jordan | JAMES MADISON COLLEGE DEAN | MADISON SUMMER CIVICS SYMPOSIUM |
| LYMAN BRIGGS COLLEGE | | | | | |
| 269 | \$10,000 | ASSOC OF AMER COLLEGES & UNIVERSITIES | Masani, Shahnaz | LYMAN BRIGGS DEAN | EPICC FELLOWSHIP |
| COLLEGE OF MUSIC | | | | | |
| 270 | \$10,000 | PNC FOUNDATION | Johnson, Kristopher | COMMUNITY MUSIC SCHOOL | EARLY MUSIC, EARLY LEARNING |
| 271 | \$15,500 | KRESGE FOUNDATION | Johnson, Kristopher | COMMUNITY MUSIC SCHOOL | DETROIT ARTS SUPPORT PROJECT FOR GENERAL OPERATING COSTS |
| 272 | \$62,000 | CHILDRENS HOSPITAL OF MICHIGAN FOUNDATION | Johnson, Kristopher | COMMUNITY MUSIC SCHOOL | ENHANCING THE EMOTIONAL, PHYSICAL, SOCIAL AND COGNITIVE WELL-BEING OF PEDIATRIC PATIENTS AND CAREGIVERS THROUGH MUSIC THERAPY |
| COLLEGE OF NATURAL SCIENCE | | | | | |
| 273 | \$347,124 | NATIONAL INST OF HEALTH | Dickson, Alexander | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | REVEALING PATHWAYS AND KINETICS OF MOLECULAR RECOGNITION WITH ADVANCED MOLECULAR SIMULATION ALGORITHMS |
| 274 | \$25,074 | UNIVERSITY OF GEORGIA | Hamberger, Bjoern | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | PLANTSYNBIO: CHASSIS DESIGN FOR SUSTAINABLE PRODUCTION OF HIGH VALUE TERPENOID IN THE CROP SPECIES TOMATO |
| 275 | \$466,406 | NATIONAL INST OF HEALTH | He, Jin | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | EPIGENETIC MECHANISMS OF HISTONE METHYLTRANSFERASE ASH1L IN AUTISM SPECTRUM DISORDER |
| 276 | \$350,871 | NATIONAL INST OF HEALTH | Hu, Jian | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | TRANSPORT, SUBSTRATE SPECIFICITY AND REGULATION MECHANISMS OF THE ZIP TRANSITION METAL TRANSPORTERS |
| 277 | \$91,860 | NATIONAL INST OF HEALTH | Last, Robert | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | PLANT BIOTECHNOLOGY FOR HEALTH AND SUSTAINABILITY |

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| 278 | \$20,203 | NATIONAL INST OF HEALTH | Lunt, Sophia | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | EXAMINING PHGDH-MEDIATED ACTIVATION OF SIALIC ACID METABOLISM TO DRIVE TRIPLE-NEGATIVE BREAST CANCER METASTASIS |
| 279 | \$374,794 | NATIONAL INST OF HEALTH | Orlando, Benjamin | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | STRUCTURAL BASIS OF ANTIMICROBIAL PEPTIDE SENSING AND RESISTANCE |
| 280 | \$347,149 | NATIONAL INST OF HEALTH | Parent, Kristin | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | BACTERIOPHAGE INTERACTIONS WITH ENTERIC PATHOGENS |
| 281 | \$205,794 | NATIONAL SCIENCE FOUNDATION | Rhee, Seung | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | RCN: CREATING AND FOSTERING THE PLANT CELL ATLAS COMMUNITY |
| 282 | \$289,172 | NATIONAL SCIENCE FOUNDATION | Skirycz, Aleksandra | BIOCHEMISTRY MOLECULAR BIOLOGY CNS | FUNCTIONAL CHARACTERIZATION OF THE ENZYME DIPEPTIDE INTERACTION NETWORK AND ITS ROLE IN THE REGULATION OF ARABIDOPSIS CARBON METABOLISM |
| 283 | \$565,760 | HEALTH RESOURCES & SERVICES ADMINISTRATION | Hoag, Kathleen | BIOMEDICAL LABORATORY DIAGNOSTICS PROGR | SMILES: SUPPORT IN MEDICAL LABORATORY SCIENCE |
| 284 | \$248,384 | US DEPT OF ENERGY | McCusker, James | CHEMISTRY | SYNTHESIS AND SPECTROSCOPY OF TRANSITION METAL-BASED CHROMOPHORES: TAILORING FIRST-ROW PHOTOPHYSICS FOR APPLICATIONS IN SOLAR ENERGY CONVERSION |
| 285 | \$125,174 | US DEPT OF ENERGY | Piecuch, Piotr | CHEMISTRY | NEW SINGLE- AND MULTI-REFERENCE COUPLED-CLUSTER METHODS FOR HIGH ACCURACY CALCULATIONS OF GROUND AND EXCITED STATES |
| 286 | \$60,125 | AUBURN UNIV | Smith, Ruth | CHEMISTRY | NSF CONVERGENCE ACCELERATOR TRACK L: AN INTEGRATED AND MINIATURIZED OPIOID SENSOR SYSTEM: ADVANCING EVIDENCE-BASED STRATEGIES FOR ADDRESSING THE OPIOID CRISIS |
| 287 | \$19,588 | NATIONAL INST OF HEALTH | Sun, Liangliang | CHEMISTRY | QUANTITATIVE TOP-DOWN PROTEOMICS OF HUMAN COLORECTAL CANCER CELLS AND TUMORS |
| 288 | \$583,095 | NATIONAL INST OF GENERAL MEDICAL SCIENCES | Sun, Liangliang | CHEMISTRY | ADVANCING TOP-DOWN PROTEOMICS WITH CAPILLARY ELECTROPHORESIS-MASS SPECTROMETRY |
| 289 | \$150,000 | HONEYWELL CORP | Swain, Greg | CHEMISTRY | EFFECTS OF MICROSTRUCTURE AND SURFACE FINISHING ON THE ELECTROCHEMICAL CORROSION BEHAVIOR OF ALUMINUM, TITANIUM ALLOYS PREPARED BY SELECTIVE LASER MELTING |
| 290 | \$37,674 | NATIONAL INST OF HEALTH | Wang, Tuo | CHEMISTRY | REVEALING THE CELL WALL ORGANIZATION OF FUNGAL PATHOGENS AND STRUCTURAL RESPONSES TO ANTIFUNGAL DRUGS USING CELLULAR SOLID-STATE NMR |

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| 291 | \$11,009 | NATIONAL SCIENCE FOUNDATION | Wang, Tuo | CHEMISTRY | CAREER: FUNCTIONAL STRUCTURE AND DYNAMICS OF COMPLEX CARBOHYDRATES VIA SENSITIVITY-ENHANCED SOLID-STATE NMR AND DATABASE DEVELOPMENT |
| 292 | \$99,115 | NATIONAL SCIENCE FOUNDATION | Munch, Elizabeth | COMPUTATIONAL MATH SCI AND ENGR CNS | COLLABORATIVE RESEARCH: AF: MEDIUM: A UNIFIED FRAMEWORK FOR GEOMETRIC AND TOPOLOGICAL SIGNATURE-BASED SHAPE COMPARISON |
| 293 | \$93,207 | NATIONAL SCIENCE FOUNDATION | Munch, Elizabeth | COMPUTATIONAL MATH SCI AND ENGR CNS | CAREER: REEB GRAPH LEARNING: CLASSIFICATION, CLUSTERING, AND EMBEDDING OF GRAPHICAL SIGNATURES |
| 294 | \$114,532 | AGRICULTURAL RESEARCH SERVICE | Basso, Bruno | EARTH AND ENVIRONMENTAL SCIENCES | CERCA: ON-FARM NITROGEN RECYCLING |
| 295 | \$89,779 | NATIONAL SCIENCE FOUNDATION | Elliott, Julie | EARTH AND ENVIRONMENTAL SCIENCES | COLLABORATIVE RESEARCH: THE 2020-2021 ALASKA-ALEUTIAN EARTHQUAKE SEQUENCE: CASCADING EVENTS & STRESS LOADING OF THE SHALLOW MEGATHRUST |
| 296 | \$74,306 | US GEOLOGICAL SURVEY | Infante, Dana | EARTH AND ENVIRONMENTAL SCIENCES | SHALLOW GROUNDWATER AND STREAM TEMPERATURE MODELING TO ASSESS THE EFFECT OF WARMING TEMPERATURES ON COLDWATER FISH SPAWNING |
| 297 | \$77,194 | UNIVERSITY OF KANSAS | Kendall, Anthony | EARTH AND ENVIRONMENTAL SCIENCES | INTEGRATING ON-FARM SOLAR ARRAYS TO ENHANCE GROUNDWATER RESOURCES, PRODUCE ENERGY, AND DIVERSIFY FARM INCOME |
| 298 | \$22,598 | UNIVERSITY OF COLORADO DENVER | Ganz, Julia | INTEGRATIVE BIOLOGY | AN INTEGRATIVE FRAMEWORK TO UNRAVEL THE GENES, GENE NETWORKS, CELL TYPES, AND DEVELOPMENTAL STATES UNDERLYING ASD-ASSOCIATED GI DYSFUNCTION |
| 299 | \$223,206 | NATIONAL INST OF HEALTH | Heath-Heckman, Elizabeth | INTEGRATIVE BIOLOGY | DETERMINING THE ROLE OF BACTERIAL PRODUCTS ON NEURONAL LOCALIZATION AND FUNCTION IN A SYMBIOTIC ORGAN |
| 300 | \$375,400 | NATIONAL INST OF GENERAL MEDICAL SCIENCES | Heath-Heckman, Elizabeth | INTEGRATIVE BIOLOGY | ELUCIDATING MOLECULAR MECHANISMS UNDERLYING COOPERATION IN ANIMAL-BACTERIAL SYMBIOSES |
| 301 | \$105,309 | PACIFIC NORTHWEST NATIONAL LABORATORY | Moran, James | INTEGRATIVE BIOLOGY | SPATIALLY RESOLVED RHIZOSPHERE FUNCTION: ELUCIDATING KEY CONTROLS ON NUTRIENT INTERACTIONS |
| 302 | \$149,000 | US FISH & WILDLIFE SERVICE | Haddad, Nicholas | KELLOGG BIOLOGICAL STATION NAT SCI | POWESHIEK SKIPPERLING BUTTERFLY EX-SITU MANAGEMENT AND RECOVERY EFFORTS AT THE JOHN BALL ZOO |
| 303 | \$50,000 | WILBURFORCE FOUNDATION | Haddad, Nicholas | KELLOGG BIOLOGICAL STATION NAT SCI | SUPPORT FOR CONSERVATION CORRIDOR.ORG, 2024-2025 |
| 304 | \$164,199 | US ARMY CORPS OF ENGINEERS | Haddad, Nicholas | KELLOGG BIOLOGICAL STATION NAT SCI | MONITOR & HABITAT RESTORATION FOR ENDANGERED SAINT FRANCIS' SATYR BUTTERFLY, FORT BRAGG, NORTH CAROLINA |

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| 305 | \$37,800 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | Wilke, Brook | KELLOGG BIOLOGICAL STATION NAT SCI | ALTERNATIVE CORN VARIETIES FOR MICHIGAN CRAFT DISTILLING INDUSTRY |
| 306 | \$50,000 | NATIONAL SCIENCE FOUNDATION | Kachkovskiy, Ilya | MATHEMATICS | CONFERENCE: TRAVEL TO THE 21ST INTERNATIONAL CONGRESS IN MATHEMATICAL PHYSICS, JULY 1-6, 2024, AT STRASBOURG, FRANCE, AND RELATED EVENTS |
| 307 | \$14,420 | NATIONAL SCIENCE FOUNDATION | Kitagawa, Jun | MATHEMATICS | CONFERENCE: SUPPLEMENTARY FUNDING FOR THE BIRS-CMO WORKSHOP OPTIMAL TRANSPORT AND DYNAMICS (24S5198) |
| 308 | \$25,000 | NATIONAL SCIENCE FOUNDATION | Schenker, Jeffrey | MATHEMATICS | COLLABORATIVE RESEARCH: CONFERENCE: GREAT LAKES MATHEMATICAL PHYSICS MEETINGS 2024-2025 |
| 309 | \$544,602 | NATIONAL INST OF HEALTH | Wei, Guowei | MATHEMATICS | AI-BASED PLATFORM FOR PREDICTING EMERGING VACCINE-ESCAPE VARIANTS AND DESIGNING MUTATION-PROOF ANTIBODIES |
| 310 | \$8,529 | NATIONAL INST OF ALLERGY & INFECTIOUS DISEASES | Abramovitch, Robert | MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS | DEFINING THE ANTIBACTERIAL ACTIVITIES OF OZONIDES |
| 311 | \$51,324 | NATIONAL INST OF HEALTH | Hammer, Neal | MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS | ELUCIDATING STRATEGIES OF STAPHYLOCOCCUS AUREUS NUTRIENT SULFUR ACQUISITION DURING INFECTION |
| 312 | \$302,088 | NATIONAL INST OF HEALTH | Hausinger, Robert | MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS | NICKEL-PINCER NUCLEOTIDE ENZYMES |
| 313 | \$32,351 | DARTMOUTH COLLEGE | Olive, Andrew | MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS | FUNGAL SPORE SENSING BY MDA5 IS NECESSARY FOR ANTIFUNGAL IMMUNITY AGAINST ASPERGILLUS FUMIGATUS |
| 314 | \$344,720 | NATIONAL INST OF HEALTH | Olive, Andrew | MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS | GENETIC MECHANISMS OF TISSUE-RESIDENT MACROPHAGE MAINTENANCE AND FUNCTION |
| 315 | \$590,633 | NATIONAL INST OF HEALTH | Pyeon, Dohun | MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS | CHEMOKINE-MEDIATED ANTIGEN-SPECIFIC T CELL RESPONSES AND IMMUNOTHERAPIES TO TREAT HEAD AND NECK CANCER |
| 316 | \$28,061 | CORNELL UNIV | Sherrill-Mix, Scott | MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS | DEFINING AND THEN MAXIMIZING THE FOOTPRINT OF CTL SELECTION ON HIV INTEGRATION SITE LANDSCAPES TO OPTIMIZE CURE STRATEGIES |
| 317 | \$39,125 | NATIONAL INST OF HEALTH | Zhang, Yu | MICROBIOLOGY, GENETICS, IMMUNOLOGY CNS | CHROMATIN LOOPING DIRECTED RAG TARGETING DURING V(D)J RECOMBINATION |
| 318 | \$56,221 | SPACE TELESCOPE SCIENCE INST | Chomiuk, Laura | PHYSICS ASTRONOMY | COMBINING OBSERVATIONS WITH SIMULATIONS TO DECIPHER SHOCKS IN NOVAE |

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| 319 | \$30,531 | UNIVERSITY OF WISCONSIN MADISON | DeYoung, Tyce | PHYSICS ASTRONOMY | MANAGEMENT AND OPERATIONS OF THE ICECUBE NEUTRINO OBSERVATORY 2021-2026 |
| 320 | \$27,314 | SMITHSONIAN ASTROPHYSICAL OBSERVATORY | Donahue, Megan | PHYSICS ASTRONOMY | AGN FEEDBACK FROM A POWERFUL RADIO SOURCE IN A VERY NEARBY GALAXY |
| 321 | \$201,916 | UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN | Dykman, Mark | PHYSICS ASTRONOMY | OUTATIME: OVENIZED ULTRA-STABLE TACTICAL TIMING WITH MECHANICS |
| 322 | \$50,000 | COLUMBIA UNIV | Fisher, Wade | PHYSICS ASTRONOMY | LHC HIGH LUMINOSITY WBS 6.08.03.02 TRIGGER CLUSTERING ALGORITHM - MREFC - MSU |
| 323 | \$119,271 | NATIONAL SCIENCE FOUNDATION | Maghrebi, Mohammad | PHYSICS ASTRONOMY | CAREER: UNIVERSAL DYNAMICS OF MANY-BODY QUANTUM SYSTEMS FAR FROM EQUILIBRIUM |
| 324 | \$570,216 | FERMI NATIONAL ACCELERATOR LABORATORY | Mahn, Kendall | PHYSICS ASTRONOMY | DEEP UNDERGROUND NEUTRINO EXPERIMENT (DUNE) |
| 325 | \$490,152 | NATIONAL SCIENCE FOUNDATION | McPadden, Daryl | PHYSICS ASTRONOMY | COLLABORATIVE RESEARCH: FROM COURSES TO CAREERS: ADDRESSING ABLEISM IN PHYSICS THROUGH FACULTY-STUDENT PARTNERSHIPS |
| 326 | \$50,000 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Rodriguez, Joey | PHYSICS ASTRONOMY | UNDERSTANDING THE EVOLUTIONARY MECHANISMS OF BROWN DWARFS |
| 327 | \$23,134 | SMITHSONIAN INSTITUTION | Rodriguez, Joey | PHYSICS ASTRONOMY | PLANET FORMATION REVEALED BY A UNIFORM ANALYSIS OF ALL GIANT PLANETS |
| 328 | \$115,618 | NATIONAL SCIENCE FOUNDATION | Sawtelle, Vashti | PHYSICS ASTRONOMY | COLLABORATIVE RESEARCH: PRACTICES AND RESEARCH ON STUDENT PATHWAYS IN EDUCATION FROM COMMUNITY COLLEGE AND TRANSFER STUDENTS IN STEM (PROSPECT S-STEM) |
| 329 | \$137,245 | COLUMBIA UNIV | Schwienhorst, Reinhard | PHYSICS ASTRONOMY | LHC HIGH LUMINOSITY UPGRADE (HL-LHC) WBS 6.06.01.02 MUON SMDT - MREFC - MSU |
| 330 | \$42,577 | SMITHSONIAN ASTROPHYSICAL OBSERVATORY | Strader, Jay | PHYSICS ASTRONOMY | AN X-RAY SURVEY OF RADIO-SELECTED LOW-LUMINOSITY AGN AMONG LOW-MASS GALAXIES |
| 331 | \$23,860 | CHANDRA SCIENCE CENTER | Strader, Jay | PHYSICS ASTRONOMY | THE ACCRETION LUMINOSITY OF THE DYNAMICALLY-CONFIRMED SUPERMASSIVE BLACK HOLE IN THE NEARBY LOW-MASS GALAXY NGC5206 |
| 332 | \$35,554 | SMITHSONIAN ASTROPHYSICAL OBSERVATORY | Strader, Jay | PHYSICS ASTRONOMY | SLEUTHING THE STAR CLUSTER X-RAY SOURCES IN THE OUTER HALO OF THE GIANT ELLIPTICAL CEN A |
| 333 | \$45,566 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Zhang, Shuo | PHYSICS ASTRONOMY | JOINT NUSTAR AND EHT PROBE OF SGR A*: FLARES, BLACK HOLE SHADOWS AND A NEW HARD X-RAY SOURCE |

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| 334 | \$17,450 | SMITHSONIAN ASTROPHYSICAL OBSERVATORY | Zhang, Shuo | PHYSICS ASTRONOMY | A SURVEY OF GALACTIC CENTER X-RAY FILAMENTS USING 11.7 MS ARCHIVAL CHANDRA DATA FROM 1999 TO 2019 (PROOSAL NO. 22910352) |
| 335 | \$55,781 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Zhang, Shuo | PHYSICS ASTRONOMY | UNVEILING THE NATURE OF A UNIQUE GALACTIC CENTER X-RAY FILAMENT XMM 0.173-0.413 USING NUSTAR AND MEERKAT |
| 336 | \$566,012 | NATIONAL INST OF HEALTH | Andrechek, Eran | PHYSIOLOGY NATURAL SCIENCE | TRANSCRIPTIONAL REGULATION OF MAMMARY GLAND DEVELOPMENT |
| 337 | \$82,771 | NATIONAL SCIENCE FOUNDATION | Bazil, Jason | PHYSIOLOGY NATURAL SCIENCE | SUPPLEMENT TO CAREER: ELUCIDATING THE CAUSAL LINK ASSOCIATED WITH ENERGY METABOLISM AND MITOCHONDRIAL ULTRASTRUCTURE |
| 338 | \$372,683 | NATIONAL INST OF HEALTH | Crandall, Shane | PHYSIOLOGY NATURAL SCIENCE | DYNAMIC PROPERTIES OF NEURAL CIRCUITS IN THE FOREBRAIN |
| 339 | \$273,807 | NATIONAL SCIENCE FOUNDATION | Doherty, Jennifer | PHYSIOLOGY NATURAL SCIENCE | EXPLORING THE USE OF MECHANISTIC REASONING IN UNDERGRADUATE PHYSIOLOGY EDUCATION |
| 340 | \$70,000 | CROHNS & COLITIS FOUNDATION OF AMERICA | Gonzales, Jacques | PHYSIOLOGY NATURAL SCIENCE | ROLE OF PANNEXIN-1 IN NEURONAL AND IMMUNE REGULATION IN THE INTESTINE |
| 341 | \$388,249 | NATIONAL INST OF HEALTH | Laumet, Geoffroy | PHYSIOLOGY NATURAL SCIENCE | NEUROIMMUNE INTERACTIONS REGULATING THE BALANCE BETWEEN REMISSION AND RELAPSE OF PAIN |
| 342 | \$501,643 | NATIONAL INST DIABETES & DIGESTIVE & KIDNEY DISEASES | Leininger, Gina | PHYSIOLOGY NATURAL SCIENCE | ROLE OF LATERAL HYPOTHALAMIC NEUROTENSIN NEURONS IN ENERGY BALANCE |
| 343 | \$300,909 | NATIONAL INST OF HEALTH | Liang, Yun | PHYSIOLOGY NATURAL SCIENCE | UNDERSTANDING THE IMMUNOMETABOLIC MECHANISM OF VGLL3 MEDIATING FEMALE-BIASED AUTOIMMUNITY |
| 344 | \$569,477 | NATIONAL INST DIABETES & DIGESTIVE & KIDNEY DISEASES | Liu, Xianshuang | PHYSIOLOGY NATURAL SCIENCE | INVESTIGATING THE ROLE OF GUT EXTRACELLULAR VESICLES IN DIABETIC PERIPHERAL NEUROPATHY |
| 345 | \$77,285 | UNIVERSITY OF CALIFORNIA DAVIS | Robison, Alfred | PHYSIOLOGY NATURAL SCIENCE | NEURAL CIRCUITS MEDIATING ANXIOLYTIC EFFECTS OF OXYTOCIN RECEPTOR LIGANDS |
| 346 | \$154,591 | UNIVERSITY OF TEXAS MEDICAL BRANCH | Robison, Alfred | PHYSIOLOGY NATURAL SCIENCE | SMALL MOLECULE MODULATORS OF ΔFOSB FUNCTION |
| 347 | \$38,083 | NATIONAL INST OF HEALTH | Sugimoto, Chiho | PHYSIOLOGY NATURAL SCIENCE | CIRCUIT-SPECIFIC ANDROGEN RECEPTOR REGULATION OF HIPPOCAMPAL NEURONAL EXCITABILITY |
| 348 | \$382,834 | NATIONAL INST OF HEALTH | Josephs, Emily | PLANT BIOLOGY CNS | DETERMINING THE EVOLUTIONARY FORCES SHAPING GENOTYPE-BY-ENVIRONMENT INTERACTIONS |

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| 349 | \$26,635 | US DEPT OF AGRICULTURE | Sullivan, Lauren | PLANT BIOLOGY CNS | BIODIVERSITY MEASUREMENTS IN THE CENTRAL MISSISSIPPI RIVER BASIN LTAR SITE |
| 350 | \$3,995,045 | US DEPT OF ENERGY | Benning, Christoph | PLANT RESEARCH LABORATORY NAT SCIENCE | PHOTOSYNTHETIC ENERGY CAPTURE, CONVERSION AND STORAGE: FROM FUNDAMENTAL MECHANISMS TO MODULAR ENGINEERING |
| 351 | \$391,250 | NATIONAL INST OF HEALTH | Brandizzi, Federica | PLANT RESEARCH LABORATORY NAT SCIENCE | UNFOLDED PROTEIN RESPONSE IN THE MODEL SPECIES ARABIDOPSIS THALIANA |
| 352 | \$169,640 | STANFORD LINEAR ACCELERATOR CENTER | Brandizzi, Federica | PLANT RESEARCH LABORATORY NAT SCIENCE | OPTICAL AND X-RAY MULTIMODAL-HYBRID MICROSCOPE SYSTEMS FOR LIVE IMAGING OF PLANT STRESS RESPONSE AND MICROBIAL INTERACTIONS |
| COLLEGE OF NURSING | | | | | |
| 353 | \$39,570 | UNIVERSITY OF TEXAS AT EL PASO | Buchholz, Susan | NURSING | EVIDENCE-BASED INTERVENTION TO IMPROVE WALKING ENGAGEMENT IN EL PASO, TEXAS |
| 354 | \$229,665 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Goldstein, Dawn | NURSING | PSYCHIATRIC MENTAL HEALTH NURSE PRACTITIONER RECRUITMENT & RETENTION |
| COLLEGE OF OSTEOPATHIC MEDICINE | | | | | |
| 355 | \$113,626 | MASSACHUSETTS GENERAL HOSPITAL | Martinez Hackert, Erik | BIOCHEMISTRY AND MOLECULAR BIOLOGY COM | CONTEXT-SPECIFIC ANGIOGENIC SIGNALING IN THE PULMONARY VASCULATURE |
| 356 | \$11,167 | VIRIDIAN INC | Kaufman, David | NEUROLOGY AND OPHTHALMOLOGY COM | A RANDOMIZED, DOUBLE-MASKED, PLACEBO-CONTROLLED SAFETY, TOLERABILITY, AND EFFICACY STUDY OF VRDN-001, A HUMANIZED MONOCLONAL ANTIBODY DIRECTED AGAINST THE IGF-1 RECEPTOR, IN PARTICIPANTS WITH CHRONIC |
| 357 | \$10,052 | LUNDBECK NA LTD | Khalil, Suad | NEUROLOGY AND OPHTHALMOLOGY COM | LONG-TERM, OPEN-LABEL (DOSE-BLINDED), EXTENSION STUDY OF EPTINEZUMAB IN CHILDREN AND ADOLESCENTS WITH CHRONIC OR EPISODIC MIGRAINE |
| 358 | \$10,000 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Khalil, Suad | NEUROLOGY AND OPHTHALMOLOGY COM | NEUROLOGY TELEMEDICINE PROJECT NEUTEL-MS |
| 359 | \$7,745 | 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 |
| 360 | \$24,737 | EISAI INC | Sachdev, Amit | NEUROLOGY AND OPHTHALMOLOGY COM | EISAI BAN2401-G000-201 OPEN LABEL EXTENSION |
| 361 | \$20,000 | UNIVERSITY OF MICHIGAN | Khatiwoda, Arya | OSTEOPATHIC SURGICAL SPECIALTIES | SOUL MUSIC |

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| 362 | \$9,000 | AMERICAN SOCIETY FOR PHARMACOLOGY & EXPERIMENTAL THERAPEUTICS | Dorrance, Anne | PHARMACOLOGY TOXICOLOGY | SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP |
| 363 | \$41,777 | INDIANA UNIV | Ellsworth, Edmund | PHARMACOLOGY TOXICOLOGY | NOVEL RXR AGONIST FOR NEUROFIBROMATOSIS |
| 364 | \$391,250 | NATIONAL INST OF GENERAL MEDICAL SCIENCES | Lee, Kin Sing | PHARMACOLOGY TOXICOLOGY | FERROPTOSIS AND POLYUNSATURATED FATTY ACID METABOLISM |
| 365 | \$69,949 | NATIONAL INST OF HEALTH | Boivin, Michael | PSYCHIATRY OSTEOPATHIC MEDICINE | CONGOLESE MOTHER AND CHILD MENTAL HEALTH IN RESPONSE TO EARLY CHILD DEVELOPMENT INTERVENTIONS |
| 366 | \$8,135 | UNIVERSITY OF ROCHESTER | Delano, Mark | RADIOLOGY OSTEOPATHIC MEDICINE | GLOBAL RESEARCH ENDEAVORS TO ADVANCE TREATMENT/PREVENTION OF NEUROLOGICAL DISORDERS IN AFRICA (GREAT NEUROLOGY IN AFRICA) |
| 367 | \$35,038 | AMER HEART ASSOC | Fernandez, Zac | RADIOLOGY OSTEOPATHIC MEDICINE | TRPA1 IN COGNITION AND BRAIN CONNECTIVITY |
| 368 | \$612,980 | NATIONAL INST DIABETES & DIGESTIVE & KIDNEY DISEASES | Jiang, Quan | RADIOLOGY OSTEOPATHIC MEDICINE | IMAGING CEREBRAL WASTE CLEARANCE RESPONSES DURING EXOSOME TREATMENT OF DIABETES |
| COLLEGE OF SOCIAL SCIENCE | | | | | |
| 369 | \$6,610 | RUST FAMILY FOUNDATION | Camp, Stacey | ANTHROPOLOGY SOCIAL SCIENCE | INVESTIGATING EARLY HOLOCENE FORAGER STRATEGIES A MULTI-ISOTOPIC ANALYSIS OF FOUR HUMANS FROM THE PACIFIC COAST, PERU |
| 370 | \$30,000 | BLACK FAMILY DEVELOPMENT INC | Krupa, Julie | CRIMINAL JUSTICE | CEASEFIRE OUTREACH |
| 371 | \$35,815 | SYNOPTIC DATA CORP | Andresen, Jeffrey | GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES | NATIONAL MESONET PROGRAM FOR MSU ENVIROWEATHER EFFORT |
| 372 | \$89,087 | IOWA STATE UNIV | Bunting, Erin | GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES | INTERACTIVE SOILS WEB APPLICATION DEVELOPMENT |
| 373 | \$21,114 | FUTURE EARTH SWEDEN | Qi, Jiaguo | GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES | BUILDING EARTH OBSERVATION CAPABILITIES TO ADDRESS WATER-ENERGY-FOOD NEXUS ISSUES |
| 374 | \$149,994 | NATIONAL PARK SERVICE | Theuerkauf, Ethan | GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES | COASTAL CHANGE RESEARCH, MONITORING, AND TECHNICAL ASSISTANCE IN GREAT LAKES NATIONAL PARKS |

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| | Amount | Sponsor | Principal Investigator/Director | Unit | Project Title |
|-----|-----------|---|---------------------------------|--|--|
| 375 | \$49,999 | MICHIGAN DEPT OF ENVIRONMENT, GREAT LAKES, AND ENERGY | Theuerkauf, Ethan | GEOGRAPHY ENVIRONMENT SPATIAL SCIENCES | 2024-309-TECHNICAL TOOLKIT SUPPORT MSU |
| 376 | \$20,000 | LAWRENCE BERKELEY NATIONAL LABORATORY | Chen, Jiquan | GLOBAL CHG AND EARTH OBSERVATION CTR FOR | URBAN FLUX WORKSHOP |
| 377 | \$80,775 | UNIVERSITY OF MARYLAND | Roy, David | GLOBAL CHG AND EARTH OBSERVATION CTR FOR | NASA ACRES: A CLIMATE RESILIENT ECOSYSTEM APPROACH TO STRENGTHENING US AGRICULTURE |
| 378 | \$102,974 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Roy, David | GLOBAL CHG AND EARTH OBSERVATION CTR FOR | USING GEDI DATA TO IMPROVE UNDERSTANDING OF SPECIES-SPECIFIC CENTRAL AFRICA TROPICAL FOREST REGROWTH |
| 379 | \$417,388 | NATIONAL INST OF HEALTH | Wang, Yijie | HUMAN DEVELOPMENT AND FAMILY STUDIES CSS | DISCRIMINATION AND ADOLESCENT SUBSTANCE USE: UNDERSTANDING MODERATING MECHANISMS OF SLEEP AND NEIGHBORHOOD ENVIRONMENT IN THE ABCD STUDY |
| 380 | \$223,909 | STRADA EDUCATION FOUNDATION | Behrend, Tara | HUMAN RESOURCES AND LABOR RELATIONS | STRADA POSTDOCTORAL FELLOW |
| 381 | \$10,101 | ACADEMY OF KOREAN STUDIES | Kuk, John | POLITICAL SCIENCE | THE POLITICAL PSYCHOLOGY OF INCOME INEQUALITY PERCEPTIONS IN SOUTH KOREA: |
| 382 | \$79,967 | HARVARD UNIV | Lajevardi, Nazita | POLITICAL SCIENCE | VIOLENCE AGAINST WOMEN MAYORS IN THE UNITED STATES |
| 383 | \$692,408 | AFROBAROMETER | Logan, Carolyn | POLITICAL SCIENCE | AFROBAROMETER |
| 384 | \$98,892 | NEW YORK UNIV | Brascamp, Jan | PSYCHOLOGY SOCIAL SCIENCE | AN ADVERSARIAL COLLABORATION TO TEST PREDICTIONS OF FIRST-ORDER AND HIGHER-ORDER THEORIES OF CONSCIOUSNESS. |
| 385 | \$562,735 | NATIONAL INST OF HEALTH | Burt, Alex | PSYCHOLOGY SOCIAL SCIENCE | THE METHYLOMIC CONSEQUENCES OF NEIGHBORHOOD DISADVANTAGE FOR YOUTH RISK-TAKING BEHAVIORS. |
| 386 | \$50,000 | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | Carter, Dorothy | PSYCHOLOGY SOCIAL SCIENCE | NASA RESEARCH AND TECHNOLOGY DEVELOPMENT TO SUPPORT CREW HEALTH AND PERFORMANCE IN SPACE EXPLORATION MISSIONS |
| 387 | \$109,699 | RICE UNIV | Carter, Dorothy | PSYCHOLOGY SOCIAL SCIENCE | NEXT GENERATION TEAMS AND ORGANIZATIONAL SUBSYSTEMS RESEARCH |
| 388 | \$60,000 | LEIDOS | Fenn, Kimberly | PSYCHOLOGY SOCIAL SCIENCE | DEVELOPMENT OF A LAB-BASED SONAR TASK AND PREDICTIVE MODEL OF SONAR PERFORMANCE UNDER CONDITIONS OF TIME ON TASK FATIGUE. |
| 389 | \$22,200 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Gregory, Katie | PSYCHOLOGY SOCIAL SCIENCE | MDHHS MA-2024 - PROJECT L - HUMAN TRAFFICKING TRAINING PROJECT |

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|---------------------------------------|---------------|--|--|--|--|
| 390 | \$57,800 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Gregory, Katie | PSYCHOLOGY SOCIAL SCIENCE | HUMAN TRAFFICKING OUTCOMES PROJECT (2024) |
| 391 | \$125,593 | UNIVERSITY OF PENNSYLVANIA | Ingersoll, Brooke | PSYCHOLOGY SOCIAL SCIENCE | ADAPTIVE TRIAL OF PARENT EMPOWERMENT AND COACHING IN EARLY INTERVENTION: AT PEACE STUDY. |
| 392 | \$554,392 | NATIONAL INST OF HEALTH | Levendosky, Alytia | PSYCHOLOGY SOCIAL SCIENCE | TIMING OF PRENATAL STRESS AND EARLY MARKERS OF CHILD PSYCHOPATHOLOGY |
| 393 | \$280,000 | NATIONAL SCIENCE FOUNDATION | Lonstein, Joseph | PSYCHOLOGY SOCIAL SCIENCE | COLLABORATIVE RESEARCH: CORTICAL PERINEURONAL NET REGULATION OF MATERNAL CAREGIVING BEHAVIORS |
| 394 | \$227,499 | NATIONAL INST OF HEALTH | Lonstein, Joseph | PSYCHOLOGY SOCIAL SCIENCE | NEURAL BASIS OF STRESS-DERAILED MOTHERHOOD |
| 395 | \$12,360 | UNIVERSITY OF ILLINOIS CHICAGO | Neal, Jennifer | PSYCHOLOGY SOCIAL SCIENCE | PATIENT NAVIGATORS FOR CHILDREN'S COMMUNITY MENTAL HEALTH SERVICES IN HIGH POVERTY URBAN COMMUNITIES |
| 396 | \$179,465 | INGHAM COUNTY | Sullivan, Cris | PSYCHOLOGY SOCIAL SCIENCE | INGHAM COUNTY ADOLESCENT DIVERSION PROJECT. |
| 397 | \$78,454 | UNIVERSITY OF MICHIGAN | Yan, Lili | PSYCHOLOGY SOCIAL SCIENCE | DEVELOPING A DIURNAL RODENT MODEL FOR SMITH-MAGENIS SYNDROME. |
| 398 | \$1,006,142 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Brock, Michele | SOCIAL WORK | KINSHIP SUPPORT PROGRAM |
| 399 | \$235,016 | UNIVERSITY OF MICHIGAN | Hughes, Anne | SOCIAL WORK | CHILD WELFARE EDUCATIONAL SUPPORT PROJECT |
| 400 | \$59,708 | UNIVERSITY OF TEXAS AT ARLINGTON | Smith-Darden, Joanne | SOCIAL WORK | CREATING PROTECTIVE ENVIRONMENTS THROUGH SCHOOL POLICY DEVELOPMENT |
| 401 | \$63,118 | UNIVERSITY OF DENVER | Sun, Fei | SOCIAL WORK | EXAMINING THE RELATIONSHIP BETWEEN DEATH ATTITUDE AND AD COMPLETION AND ATTITUDE AMONG OLDER CHINESE AMERICANS |
| COLLEGE OF VETERINARY MEDICINE | | | | | |
| 402 | \$20,000 | MERCK SHARP & DOHME | Abuelo Sebio, Angel | LARGE ANIMAL CLINICAL SCIENCES | 2024 FOOD SYSTEMS FELLOWSHIP PROGRAM |
| 403 | \$12,000 | CANINE HEALTH FOUNDATION | Agnew, Dalen | PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM | PLACENTAL G PROTEIN-COUPLED RECEPTORS (GPCRS) IN THE DOG |
| 404 | \$66,769 | LOUISIANA STATE UNIV | Harkema, Jack | PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM | TARGETING TYPE-2 MUCOINFLAMMATORY AXIS DURING THE RESOLUTION OF ALLERGIC LUNG INFLAMMATION |

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|--|--------------|---|---------------------------------|--|--|
| 405 | \$16,436 | WEST VIRGINIA UNIV | Harkema, Jack | PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM | IMPACT OF PARTICLE AND OZONE INHALATION CO-EXPOSURE ON ALVEOLAR EPITHELIAL REGENERATION |
| 406 | \$30,231 | NATIONAL INST OF HEALTH | Luyendyk, James | PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM | NOVEL PROTEOLYTIC MECHANISMS DRIVING PATHOLOGIC HEPATIC CONGESTION IN DRUG-INDUCED HEPATOTOXICITY |
| 407 | \$537,217 | NATIONAL INST OF HEALTH | Luyendyk, James | PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM | NOVEL STRATEGIES TO ACCELERATE REPAIR OF DRUG-INDUCED HEPATOTOXICITY |
| 408 | \$387,500 | NATIONAL INST OF HEALTH | Meek, Katheryn | PATHOBIOLOGY DIAGNOSTIC INVESTIGAT CVM | DEFINING THE MECHANISTIC BASIS OF ATM'S IMPACT ON VDJ RECOMBINATION |
| 409 | \$395,367 | NATIONAL INST OF HEALTH | Vega, Irving | PHARMACOLOGY TOXICOLOGY | BRIDGE TO THE PHD IN NEUROSCIENCE |
| 410 | \$12,820 | AMER HOLISTIC VETERINARY MEDICAL FOUNDATION | Gunasekaran, Tamilselvam | SMALL ANIMAL CLINICAL SCIENCES | EFFECT OF DRY NEEDLE ACUPUNCTURE ON HEART RATE CONTROL IN DOGS WITH ATRIAL FIBRILLATION: A RANDOMIZED, CONTROLLED CLINICAL TRIAL |
| 411 | \$132,005 | UNIVERSITY OF MICHIGAN | Johnson, Valerie | SMALL ANIMAL CLINICAL SCIENCES | ENGINEERED MULTIFUNCTIONAL CELLULAR WOUND HEALING PATCH ACTS AS AN ANTIMICROBIAL LIVING BANDAGE TO IMPROVE WOUND HEALING |
| 412 | \$40,800 | FOOD & DRUG ADMINISTRATION | Dodd, Kimberly | VETERINARY DIAGNOSTIC LABORATORY | MICHIGAN STATE UNIVERSITY VDL VETLRN 2022 |
| 413 | \$98,744 | STATE OF MICHIGAN | Mejia Abreu, Hilda | VETERINARY MEDICINE DEAN | DEVELOPING MICHIGAN'S PATHWAY TO VETERINARY MEDICAL EDUCATION |
| 414 | \$30,800 | BOEHRINGER INGELHEIM INC | Sreevatsan, Srinand | VETERINARY MEDICINE DEAN | 2024 BOEHRINGER INGELHEIM VETERINARY SCHOLARS PROGRAM (BIVSP) |
| FACILITY FOR RARE ISOTOPE BEAMS | | | | | |
| 415 | \$89,242 | UNIVERSITY OF WASHINGTON | Bogner, Scott | FACILITY FOR RARE ISOTOPE BEAMS | THEORETICAL NUCLEAR THEORY |
| 416 | \$184,271 | OAK RIDGE NATIONAL LABORATORY | Bogner, Scott | FACILITY FOR RARE ISOTOPE BEAMS | FRIB THEORY FELLOW AT OAK RIDGE NATIONAL LABORATORY - BONAITI |
| 417 | \$20,989,000 | US DEPT OF ENERGY | Glasmacher, Thomas | FACILITY FOR RARE ISOTOPE BEAMS | OPERATION OF THE FACILITY FOR RARE ISOTOPE BEAMS AS SCIENTIFIC USER FACILITY |
| 418 | \$68,000 | VIRGINIA STATE UNIVERSITY | Gueye, Paul | FACILITY FOR RARE ISOTOPE BEAMS | NEURAL NETWORK CLASSIFIER FOR ANALYZING MEASUREMENTS OF FAST NEUTRONS FOR INVARIANT MASS SPECTROSCOPY |

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|--|-------------|---------------------------------------|---------------------------------|--|--|
| 419 | \$211,543 | FERMI NATIONAL ACCELERATOR LABORATORY | Lund, Steven | FACILITY FOR RARE ISOTOPE BEAMS | US PARTICLE ACCELERATOR SCHOOL (USPAS) DIRECTOR |
| 420 | \$250,000 | US DEPT OF ENERGY | Nazarewicz, Witold | FACILITY FOR RARE ISOTOPE BEAMS | MICROSCOPIC DESCRIPTION OF THE FISSION PROCESS |
| 421 | \$41,202 | FERMI NATIONAL ACCELERATOR LABORATORY | Ostroumov, Peter | FACILITY FOR RARE ISOTOPE BEAMS | RESONANCE CORRECTION STUDIES AT THE FNAL RECYCLER RING |
| 422 | \$314,000 | US DEPT OF ENERGY | Schatz, Hendrik | FACILITY FOR RARE ISOTOPE BEAMS | CENTER FOR NUCLEAR ASTROPHYSICS ACROSS MESSENGERS (CENAM) |
| 423 | \$500,981 | STANFORD LINEAR ACCELERATOR CENTER | Xu, Ting | FACILITY FOR RARE ISOTOPE BEAMS | SUPPLY LCLS-II HE SRF GUN |
| 424 | \$162,000 | US DEPT OF ENERGY | Lee, Dean | NAT'L SUPERCONDUCTING CYCLOTRON LAB | EFFECTIVE FIELD THEORY AND RENORMALIZATION GROUP STUDIES OF QUANTUM ALGORITHMS |
| 425 | \$59,000 | US DEPT OF ENERGY | Pratt, Scott | NAT'L SUPERCONDUCTING CYCLOTRON LAB | DETERMINING PROPERTIES OF MATTER CREATED AT RHIC |
| ASC PROV FOR UNIV OUTREACH ENGAGEMENT | | | | | |
| 426 | \$399,068 | DEPT OF LABOR & ECONOMIC OPPORTUNITY | Anthony, Stephanie | ADMIN SUPPORT MLK INITIATIVE | GEAR UP |
| 427 | \$150,000 | MICHIGAN AFTERSCHOOL PARTNERSHIP | Wu, Jamie | COMMUNITY EVALUATION AND RSCH COLLABRTVE | EVALUATION FOR THE MICHIGAN STATE-FUNDED OUT-OF-SCHOOL TIME PROGRAMS |
| 428 | \$299,038 | US DEPT OF EDUCATION | Anthony, Stephanie | UPWARD BOUND | UPWARD BOUND |
| INTERNATIONAL STUDIES AND PROGRAMS | | | | | |
| 429 | \$60,000 | RAJARATA UNIVERSITY | Wu, Xinyu | VISITING INTNL PROFESSIONAL PROGRAM | "DEVELOPMENT OF A COLLABORATION WITH MICHIGAN STATE UNIVERSITY, USA FOR CAPACITY BUILDING, RESEARCH COLLABORATIONS, INNOVATIONS AND DOWNSTREAM APPLICATIONS IN SMART AGRICULTURE." |
| MSU AGBIORESEARCH | | | | | |
| 430 | \$1,990,000 | US AGENCY FOR INTL DEVELOPMENT | Buhler, Douglas | ABR DIRECTORS OFFICE | FEED THE FUTURE INNOVATION LAB FOR LEGUME SYSTEMS RESEARCH |

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|--|-------------|--|---------------------------------|--|---|
| 431 | \$1,754,625 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | Murphy, Cheryl | ABR DIRECTORS OFFICE | RESEARCH ON EMERGING CONTAMINANTS TO ASSIST WITH REGULATORY PUBLIC HEALTH DECISION MAKING |
| 432 | \$5,000,000 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | Smith, George | ABR DIRECTORS OFFICE | AGRICULTURAL CLIMATE RESILIENCY - FY2024 |
| 433 | \$1,000,000 | MICHIGAN DEPT OF AGRICULTURE & RURAL DEVELOPMENT | Smith, George | ABR DIRECTORS OFFICE | AGRICULTURAL CLIMATE RESILIENCY POSITIONS - FY2024 |
| 434 | \$96,060 | MONTANA STATE UNIV | Randall, Jesse | FORESTRY MABR | QUANTIFYING SUGARBUSH HEALTH USING IN TREE BIO SENSORS AND REAL TIME UAV MULTISPECTRAL IMAGE AQUISITION. |
| 435 | \$16,000 | VARIOUS INDUSTRIES | Bales, Scott | PLANT SOIL AND MICROBIAL SCIENCES | BALES PSM TESTING |
| 436 | \$81,496 | VARIOUS INDUSTRIES | Burns, Erin | PLANT SOIL AND MICROBIAL SCIENCES | BURNS PSM TESTING |
| 437 | \$85,000 | MICHIGAN BEAN COMMISSION | Chilvers, Martin | PLANT SOIL AND MICROBIAL SCIENCES | INTEGRATION OF SUSTAINABLE MANAGEMENT PRACTICES ESSENTIAL FOR THE ADVANCEMENT OF MICHIGAN DRY BEAN PRODUCTION |
| 438 | \$277,078 | VARIOUS INDUSTRIES | Chilvers, Martin | PLANT SOIL AND MICROBIAL SCIENCES | CHILVERS PSM TESTING |
| 439 | \$58,880 | VARIOUS INDUSTRIES | Douches, David | PLANT SOIL AND MICROBIAL SCIENCES | DOUCHES PSM TESTING |
| 440 | \$7,000 | VARIOUS INDUSTRIES | Frank, Kevin | PLANT SOIL AND MICROBIAL SCIENCES | FRANK PSM TESTING |
| 441 | \$140,100 | VARIOUS INDUSTRIES | Hausbeck, Mary | PLANT SOIL AND MICROBIAL SCIENCES | HAUSBECK PSM TESTING |
| 442 | \$54,832 | VARIOUS INDUSTRIES | Patterson, Eric | PLANT SOIL AND MICROBIAL SCIENCES | PATTERSON PSM TESTING |
| 443 | \$79,500 | VARIOUS INDUSTRIES | Rogers, John | PLANT SOIL AND MICROBIAL SCIENCES | ROGERS PSM TESTING |
| MICHIGAN STATE UNIVERSITY EXTENSION | | | | | |
| 444 | \$12,000 | MICHIGAN DEPT OF LICENSING & REGULATORY AFFAIRS | Skidmore, Mark | AGRICULTURAL FOOD RESOURCE ECONOMICS | UCPB ADMINISTRATIVE COORDINATOR 2023-2024 |
| 445 | \$66,221 | PURDUE UNIV | Celovsky, Madelyn | EXTENSION AGRICULTURE AND AGRIBUSINESS | CAPACITY BUILDING FOR COVER CROP EDUCATORS IN THE MIDWEST |

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|-----|-----------|---|---------------------------------|--|--|
| 446 | \$19,986 | IOWA STATE UNIV | Crain, Brent | EXTENSION AGRICULTURE AND AGRIBUSINESS | INCREASING DEIA PROGRAMMING FOR INTEGRATED PEST MANAGEMENT (IPM): A MODEL FOR USDA-NIFA-FUNDED ORGANIZATIONS |
| 447 | \$150,000 | MICHIGAN DEPT OF ENERGY LABOR & ECONOMIC GROWTH | Imler, Christopher | EXTENSION AGRICULTURE AND AGRIBUSINESS | MICHIGAN VETERANS THERAPY GARDEN PROJECT |
| 448 | \$17,428 | EXTENSION FOUNDATION | Smith, Thomas | EXTENSION AGRICULTURE AND AGRIBUSINESS | PESTICIDE SAFETY EDUCATION FUNDS MANAGEMENT PROGRAM |
| 449 | \$25,802 | MICHIGAN SOYBEAN COMMITTEE | Staton, Michael | EXTENSION AGRICULTURE AND AGRIBUSINESS | 2024 MSU EXTENSION ON-FARM RESEARCH AND EDUCATION PROJECTS |
| 450 | \$7,950 | NATIONAL ASSOC OF STATE DEPT OF AG | Tocco, Phillip | EXTENSION AGRICULTURE AND AGRIBUSINESS | FSMA ON-FARM READINESS REVIEW TRAINING DEVELOPMENT AND DELIVERY |
| 451 | \$171,500 | NATL PORK BOARD | Zangaro, Casey | EXTENSION AGRICULTURE AND AGRIBUSINESS | MULTI-STATE APPROACH TO STRATEGIES THAT EMPHASIZE MANAGEMENT OVER MEDICATION IN EXTENSIVE SWINE PRODUCTION |
| 452 | \$10,000 | BARRY COUNTY UNITED WAY | Kieren, Kellie | EXTENSION CHILDREN AND YOUTH | BARRY COUNTY MSU EXTENSION 4-H PROGRAM |
| 453 | \$112,500 | NATIONAL 4H COUNCIL | Norrell-Aitch, Kea | EXTENSION CHILDREN AND YOUTH | 4-H HEALTH ROCKS! |
| 454 | \$50,712 | MICHIGAN 4H FOUNDATION | Schulz, Jodi | EXTENSION CHILDREN AND YOUTH | MICHIGAN 4H FOUNDATION COUNTY PROGRAMS |
| 455 | \$10,000 | TOYOTA MOTOR ENGINEERING & MANUFACTURING OF NORTH AMERICA INC | Wisnewski, Diane | EXTENSION CHILDREN AND YOUTH | MSUE COMMUNITY PROGRAM OUTREACH |
| 456 | \$20,000 | AMERICAN PUBLIC GARDENS ASSOCIATION | Edwards, Naim | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | FRUIT TREE CARE AND FARM BEAUTIFICATION |
| 457 | \$198,700 | MICHIGAN DEPT OF NATURAL RESOURCES | Filice, Paige | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | RIPPLE IV: EDUCATION ABOUT INVASIVES IN AQUARIUM AND POND TRADE |
| 458 | \$42,749 | UNIVERSITY OF MICHIGAN | Jescovitch, Lauren | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | MICHIGAN SEA GRANT OMNIBUS FY 2022-23: IMPROVING AQUACULTURE LITERACY FROM GREAT LAKES TO GREAT SEAS |

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|--------------------------------|-------------|--|---------------------------------|--|---|
| 459 | \$39,980 | HURON-CLINTON METROPOLITAN AUTHORITY | Lee, Yu Man | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | EASTERN MASSASAUGA RATTLESNAKE SURVEY FOR THE HURON-CLINTON METROPOLITAN AUTHORITY (HCMA) |
| 460 | \$130,000 | AMERICANA FOUNDATION | Peet, Katie | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | 2024 PROGRAMMING AND OPERATIONS |
| 461 | \$74,020 | NATIONAL PARK SERVICE | Rowe, Logan | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | INVENTORY OF BEES AND BUTTERFLIES IN ISRO, PIRO, AND SLBE TO INFORM VEGETATION MANAGEMENT |
| 462 | \$262,726 | BATTLE CREEK UNLIMITED | Woods, Mollie | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | BATTLE CREEK/MSU EXTENSION PARTNERSHIP FOR SMALL BUSINESS SUPPORT |
| 463 | \$36,550 | CHARLES STEWART MOTT FOUNDATION | Woods, Mollie | EXTENSION COMMUNITY FOOD AND ENVIRONMENT | FLINT DAIRY STORE FEASIBILITY STUDY |
| 464 | \$5,400 | NORTHWEST SENIOR RESOURCES INC DBA AREA AGENCY ON AGING OF NW MI | Contreras, Dawn | EXTENSION HEALTH AND NUTRITION | AAA NORTHWEST MOB PROGRAMMING |
| 465 | \$82,400 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Kim, Jun Hyun | SCHL OF PLANNING,DESIGN&CNST-MSUE | BUILDING RESILIENCE AGAINST CLIMATE EFFECTS |
| RESEARCH AND INNOVATION | | | | | |
| 466 | \$30,000 | CENCORA | Hatfield, John | AXIA INSTITUTE | AXIA MEMBERSHIPS |
| 467 | \$45,000 | NXP USA, INC | Hatfield, John | AXIA INSTITUTE | AXIA MEMBERSHIPS |
| 468 | \$3,661,418 | UNIVERSITY OF WISCONSIN MADISON | Thelen, Kurt | GREAT LAKES BIOENERGY RESEARC CTR VPRGS | GREAT LAKES BIOENERGY RESEARCH CENTER |
| 469 | \$400,000 | MICHIGAN ECONOMIC DEVELOPMENT CORP | Affholter, Joe | MSU INNOVATION CENTER | MSU ADVANCE GRANT PROGRAM, RFP-CASE-317360, AMENDMENT THREE FOR APR,2024-MAR,2025 |
| 470 | \$2,407,225 | VARIOUS INDUSTRIES | Hasemann, Charles | MSU INNOVATION CENTER | FEE FOR SERVICE - INDUSTRY |
| 471 | \$38,181 | MICHIGAN STATE UNIV FOUNDATION | Hasemann, Charles | OFFICE OF RESEARCH AND INNOVATION | T3N(8) POST-DOCS |
| 472 | \$329,632 | UNIVERSITY OF ALASKA | Mackey, Kevin | ORI POST AWARD GRANT MANAGEMENT | LEGACY NUCLEAR EXPLOSION SEISMOGRAM DIGITALIZATION PROJECT |

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|---|--------------|--|---------------------------------|--|---|
| 473 | \$22,026 | AGRICULTURAL RESEARCH SERVICE | Childs, Kevin | RESEARCH TECHNOLOGY SUPPORT FACILITY | ACQUISITION OF GOODS AND SERVICES |
| GRADUATE SCHOOL DEAN | | | | | |
| 474 | \$1,778,950 | NATIONAL SCIENCE FOUNDATION | Dagbovie, Pero | GRADUATE SCHOOL DEAN | GRADUATE RESEARCH FELLOWSHIP PROGRAM (GRFP) |
| UNIVERSITY ADVANCEMENT | | | | | |
| 475 | \$38,009,972 | VARIOUS DONORS - ADVANCEMENT | Shoup, Anne | VICE PRESIDENT UNIVERSITY ADVANCEMENT | CASH GIFTS TO MSU FOR THE PERIOD 1/1/24 TO 3/31/24 |
| FINANCE | | | | | |
| 476 | \$6,797,980 | VARIOUS GRANTORS | Pedawi, Evonne | SPONSORED PROGRAMS ADMIN CGA POSTAWARD | FEE FOR SERVICE - OTHER |
| MICHIGAN STATE UNIVERSITY COLLEGE OF LAW | | | | | |
| 477 | \$70,000 | CASEY FAMILY PROGRAMS | Fort, Kathryn | COLLEGE OF LAW DEAN | CASEY FAMILY PROGRAMS CONTRACT SERVICE AGREEMENT |
| 478 | \$47,922 | INTERNAL REVENUE SERVICE | Wease, Christina | COLLEGE OF LAW DEAN | MICHIGAN STATE UNIVERSITY LOW-INCOME TAXPAYER CLINIC |
| MSU HCI CLINICAL SERVICES | | | | | |
| 479 | \$55,000 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Preece, Jennifer | MSU HCI CLINICAL SERVICES | NURSING RETENTION STRATEGY |
| DEPARTMENT OF POLICE AND PUBLIC SAFETY | | | | | |
| 480 | \$11,129 | MICHIGAN STATE POLICE | Dunlap, James | DEPARTMENT OF POLICE AND PUBLIC SAFETY | IN SERVICE TRAINING OF POLICE OFFICERS |
| UNIVERSITY HEALTH AND WELLBEING | | | | | |
| 481 | \$367,725 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Fedewa, Tana | MHTSS CENTER FOR SURVIVORS | CVSF CRIME VICTIM SUSTAINABILITY FUND -SEXUAL ASSAULT VICTIM SERVICES |
| 482 | \$12,500 | INGHAM COUNTY | Fedewa, Tana | MHTSS CENTER FOR SURVIVORS | SHELTER, ADVOCACY AND SUPPORT FOR DOMESTIC VIOLENCE SURVIVORS |
| 483 | \$53,447 | MICHIGAN DEPT OF HEALTH & HUMAN SERVICES | Fedewa, Tana | MHTSS CENTER FOR SURVIVORS | DOMESTIC VIOLENCE PROGRAMMING - CVSF - 2024 |
| VARIOUS | | | | | |

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|-----|----------------------|------------------------------|--|-------------|---|
| 484 | \$120,814 | VARIOUS | Various | Various | 39 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES OF \$5000 OR LESS. DETAILS ON FILE IN CONTRACT & GRANT ADMINISTRATION |
| | \$192,836,663 | Total June 2024 Board | | | |

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
June 28, 2024

| GIFT NO. | GIFT | DONOR | DEPARTMENT NAME | ESTIMATED VALUE | PURPOSE OR USE |
|----------|--|-----------------------------|--|-----------------|--|
| 1 | Transfer deed of home located at 6283 Hellner Rd., Ann Arbor, MI | Alan Kalter & Chris Lezotte | Veterinary Medicine | \$1,300,000.00 | Resale |
| 2 | TruMotion Acceleration Sled System & various equipment | PPT Group/Lansmont | School of Packaging | \$500,000.00 | Hands on student experiences, research & distribution consortium. |
| 3 | Invoice discount on Steelcase furnishings | Steelcase Corp. | College of Communication Arts & Sciences | \$189,997.01 | Academic Esport concept space that supports the Esport Program. |
| 4 | Artwork by Serge Attukwei Clottey (Ghanaian, born 1985) <i>Woman and Taxi, 2021</i> Duct tape, oil paint on cork board 60 x 49 in (\$90,000.00) <i>Borders and Gates, 2015</i> Plastic, wire and oil paint, 89 x 90 in (\$80,000.00) | Stefan Simchowitz | Eli & Edythe Broad Art Museum | \$170,000.00 | Donation to the Eli & Edythe Broad Art Museum |
| 5 | Invoice discount on Steelcase chairs for the James B. Henry Center | Steelcase Corp. | James B. Henry Center | \$92,445.96 | Replacement chairs |
| 6 | Portraits Dr. Lou Anna K. Simon 20 th MSU President Dr. Samuel L. Stanley, Jr. 21 st MSU President | Anonymous | Office of the President | \$51,860.00 | Presidential portraits display in recognition of & appreciation for the subject's service & support to the University. |

CONSIGNMENT/NON-CASH GIFTS
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| 7 | Equipment – MP44 printer, packet feeder & stake feeder | Midco Global, Inc | ANR-Rec | \$25,000.00 | For printing onto plot stakes, seed envelopes & plant tags. |
| 8 | Air transportation, lodging & meals | Mike McNamara | Intercollegiate Athletics Spartan Fund | \$24,254.31 | Men’s Golf Team |
| 9 | Lodging & meals | Curtis Wright | Intercollegiate Athletics Spartan Fund | \$17,564.99 | Men’s Tennis Team |
| 10 | Artwork by Chitra Ganesh (American, b. 1975) <i>Untitled</i> , Mixed media on paper 41-1/2x59-1/2 in (CG31) <i>Triptych from Tails of Amnesia: Ghosts, Telescope; Waterfall, The Fire, the Fire; Roxanne</i> , 2002 Digital C-prints various dimensions (CG7.5.2) <i>Untitled [Ice]</i> , 2005, C-prints,30x31x1-5/8 inches (GAC001.3.3) | Connie Tilton | Eli & Edythe Broad Art Museum | \$14,500.00 | Donation to the Eli & Edythe Broad Art Museum |
| 11 | Air transportation | Mike McNamara | Intercollegiate Athletics Spartan Fund | \$10,987.54 | Tom Izzo recruiting trip. |
| 12 | Apparel 16 boxes of lab coats, scrub tops & scrub bottoms | Professional Apparel Co. | Veterinary Nursing | \$10,500.00 | Attire students can use for laboratory & clinical clerkships. |
| 13 | Artwork - 14 works from the Peter Norton Family Christmas Project 1990-2002 | Jacquelynn Baas | Eli & Edythe Broad Art Museum | \$8,820.00 | Donation to the Eli & Edythe Broad Art Museum |

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| 14 | MSU Sheyenne AHR#665049 Polish Arabian bay mare with star | Thomas L. Snyder | MSU Horse Teaching & Research Center | \$8,000.00 | Riding & breeding mare |
| 15 | Air transportation | Mike McNamara | Intercollegiate Athletics Spartan Fund | \$6,995.54 | Tom Izzo recruiting trip |
| 16-21 | Various | Various | Various | \$16,687.74 | 6 Consolidated non-cash gifts for individual values less than \$5,000 details on file in the Hannah Administration Building, Contract & Grant Administration Office, Room 2 426 Auditorium Road East Lansing, MI |
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| | | | TOTAL | \$2,447,613.09 | |