

Oakland University

Research Report

Fiscal Year 2019

**Cover Art**

**Left image:** Maggie Bohr, Biomedical Science and first year medical student at OUWB

Sara Blumer-Schuette, Assistant Professor of Biological Sciences

**Top right image:**  Jennifer Lucarelli, Associate Professor of Interdisciplinary Health Sciences

**Lower right image:**  David Dulio, Professor of Political Science

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# **Preface**

The Research Office is proud to present the Fiscal Year (FY) 2019 Annual Report describing external funding at Oakland University (OU). This report gives readers a comprehensive overview of the nature and extent of external funding provided to faculty and staff to support their research, instructional, public service, and creative activities. Detailed data are also provided for proposals that were submitted in FY 2019.

During FY 2019, OU attracted just under $10 million in external funding. As experts and leaders in their fields, OU faculty and staff continue to secure external funding for a broad range of robust research programs, many of which promote strong collaborations with other universities and research institutes, private industry, and regional organizations. These collaborations are vital in a funding climate emphasizing cross-disciplinary collaboration and public-private partnerships for addressing complex societal needs.

Moreover, these sponsored programs support OU’s mission to be a student-centered public research university, providing experiential learning opportunities that position our students to become the next generation of scientists, engineers, educators, and performers, while also advancing society through the creation and mobilization of knowledge.

The Research Office deeply appreciates the efforts of the OU faculty and staff who submitted grant and contract proposals during FY 2019, and we extend our warmest congratulations to those who obtained external funding this year.

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# **Technical Notes and Definitions**

**Annual Report Reporting Period**

The **fiscal year (FY)** for OU is July 1 to June 30. This report includes data for all awards and proposals processed through the Research Office for FY 2019. An award is considered processed by the Research Office when it has been reviewed, institutionally endorsed (if necessary), and transferred to Accounting for account set up. A proposal is considered processed through the Research Office after the institutional review and sign off process is complete.

**Definition of Award**

An **award** is a funded project for which OU has received an official notice of award or executed contract from a sponsor requiring the university to undertake a particular activity and for which a deliverable is expected. Awards that provide full funding in the first year of a multi-year project are included in the fiscal year the award was made. Award dollars received from sponsors that provide funding for specific budget periods within a multi-year project (i.e. incremental awards) are included in the fiscal year for which funding is received. Consequently, funding can fluctuate for a department or college depending on how a project is funded**. Direct year-by-year comparisons should always be made with caution.**

**Definition of Proposal**

A **proposal** is a request for financial support for a particular sponsored activity that is routed through the Research Office. It is important to recognize that there is no correlation between the proposals and awards discussed in this report, as many of the proposals submitted for the previous year are still pending with the sponsors.

**Intellectual Credit**

Proposals and awards are credited to the lead principal investigator (PI) and his/her home unit or center, whether academic or otherwise. For proposals or awards that also include co-PIs, the total amount proposed or awarded is credited to the lead PI and his/her home unit. However, the participation of each co-PI named on the project is indicated with a notation under the co-PI’s home academic unit or center.

**Sponsor Types**

The Research Office recognizes four categories of **sponsors:** federal, state, corporate, and public/nonprofit. Federal sponsors for proposals and awards include direct federal funding as well as flow-through funding when federal dollars come to OU through a non-federal entity (e.g. state agency or other university). Public/nonprofit sponsors include non-Michigan institutions of higher education, municipalities, civic organizations, as well as nonprofit and non-governmental organizations.

**Report Layout**

This report has seven (7) sections. The first section, award overview, provides a summary of all sponsored awards received by OU through the Research Office for the previous fiscal year. The ensuing three sections include award information separated according to the following activity types: 1) research, 2) instruction, and 3) other sponsored activities. The fifth section of the report details proposal submissions for the previous fiscal year. The final sections of the report include listings of the winners of the 2018 Research, Innovation, and Engagement Town Hall and the PI Academy for Research and Engagement Class of 2019.

**Research**

A project is classified as research when it involves a systematic study to gain an understanding of a phenomenon. Research culminates in new knowledge and may be either fundamental or applied. A project that funds the maintenance or creation of research facilities, disseminates project findings, or trains individuals in research techniques or methods would also be classified as research.

**Instruction**

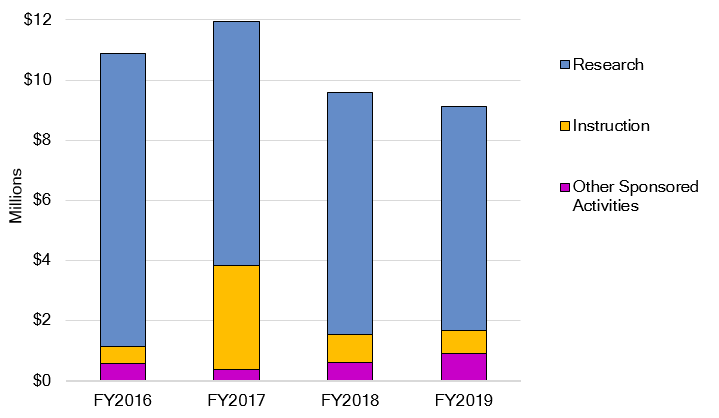
A project is classified as instruction when it incorporates the teaching and training activities of the institution (with the exception of research training, as mentioned above). These projects are intended to elicit some measure of educational change in learners. Instruction includes all teaching and training activities, credit or non-credit.

**Other Sponsored Activities**

A project is classified as “Other Sponsored Activity” when it is neither research nor instruction. These projects include public service that engages OU resources to meet local, regional, national, or international needs. Other activities include student support programs, testing and evaluation, joint appointment agreements, and some workshop or travel grants.

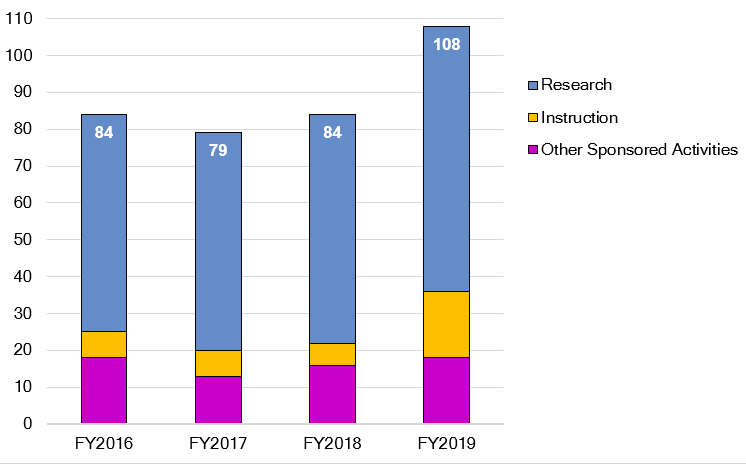
**“Other” Academic Unit**

The term “Other” is used for sponsored activities that fall outside the formal academic unit structure. This includes, but is not limited to, campus areas such as Academic Affairs Office, Athletics Administration, Campus Police, Campus Recreation, Center for Multicultural Initiatives, Facilities Management, Financial Aid, Macomb-OU Incubator, OU INC, Pre-College Programs, the Research Office, Student Affairs, and Upward Bound.

**Amounts and Number of Awards by Purpose**

**Funding Amount of New Awards**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Purpose of Funding** | **FY2016** | **FY2017** | **FY2018** | **FY2019** | **Total** |
| **Research** | 9,732,985 | 8,126,866 | 8,074,392 | 7,465,280 | 33,399,523 |
| **Instruction** | 585,612 | 3,438,237 | 910,416 | 762,032 | 5,696,297 |
| **Other Sponsored Activities** | 559,440 | 379,769 | 613,804 | 894,417 | 2,447,430 |
| **Total** | **$10,878,037** | **$11,944,872** | **$9,598,612** | **$9,121,729** | **41,543,250** |

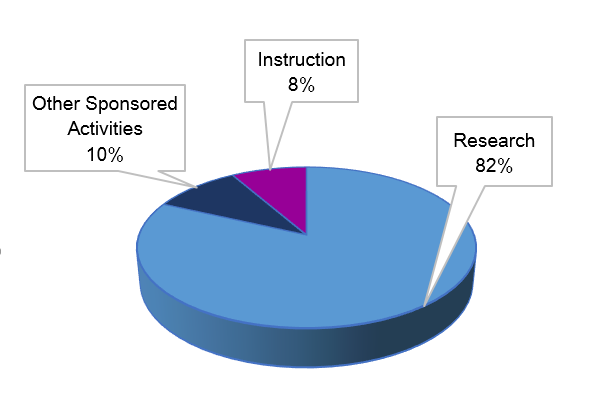


**Number of Awards**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Purpose of Funding** | **FY2016** | **FY2017** | **FY2018** | **FY2019** | **Total** |
| **Research** | 59 | 59 | 62 | 72 | 252 |
| **Instruction** | 7 | 7 | 6 | 18 | 38 |
| **Other Sponsored Activities** | 18 | 13 | 16 | 18 | 65 |
| **Total** | **84** | **79** | **84** | **108** | **355** |

**Percentages and Number of Awards by Purpose**

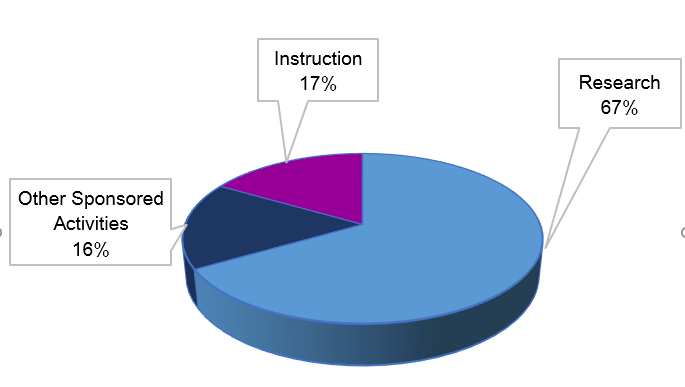
**FY2019 ● Funding Amount Percentages**



**N = $9,121,729**

|  |  |  |
| --- | --- | --- |
| **Purpose of Funding** | **Number of Awards** | **Total** |
| **Research** | 72 | 7,465,280 |
| **Instruction** | 18 | 762,032 |
| **Other Sponsored Activities** | 18 | 894,417 |
| **Total** | **108** | **$9,121,729** |

**FY2019 ● Number of Awards - Percentage by Purpose**

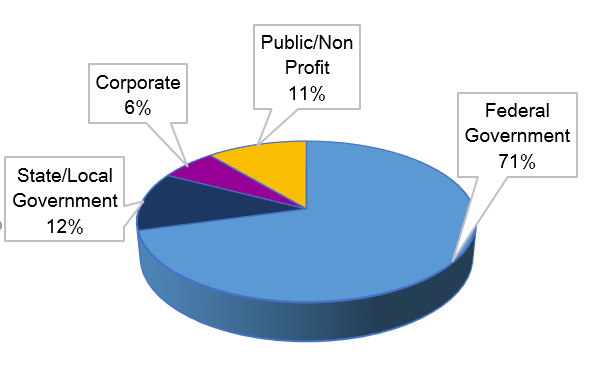


**N = $9,598,612**

**N = 108**

**Percentages and Award Amounts by Source**

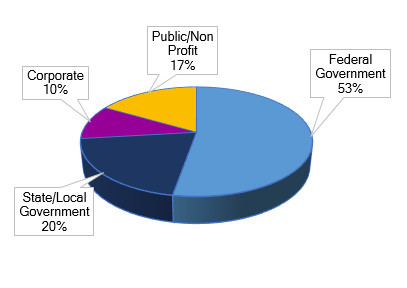
**FY2019 ● Funding Amount Percentages by Source**



**N = $9,121,729**

|  |  |  |
| --- | --- | --- |
| **Source of Funding** | **Number of Awards** | **Total** |
| **Federal Government** | 57 | 6,451,499 |
| **State/Local Government** | 22 | 1,080,201 |
| **Corporate Sponsors** | 11 | 592,383 |
| **Public/Nonprofit Sponsors** | 18 | 997,646 |
| **Total** | **108** | **$9,121,729** |

**FY2019 ● Number of Awards by Source**



**N = 108**

**Percentages and Award Amounts by Academic Unit**

**FY2019 ● Funding Amount Percentages by Academic Unit**

**N = $9,121,729**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Academic Unit** | **FY2016** | **FY2017** | **FY2018** | **FY2019** | **Total** |
| College of Arts and Sciences | 4,739,354 | 4,491,729 | 5,075,991 | 4,409,055 | 18,716,129 |
| Eye Research Institute | 2,220,027 | 0 | 63,677 | 37,500 | 2,321,204 |
| School of Business Administration | 0 | 0 | 16,350 | 6,420 | 22,770 |
| School of Engineering and Computer Science | 2,536,276 | 2,813,107 | 2,604,175 | 2,741,069 | 10,694,627 |
| School of Education and Human Services | 398,000 | 625,994 | 97,590 | 143,090 | 1,264,674 |
| School of Health Sciences | 28,061 | 197,346 | 522,524 | 599,529 | 1,347,460 |
| School of Medicine | 11,568 | 63,984 | 0 | 6,000 | 81,552 |
| School of Nursing | 266,545 | 20,450 | 62,304 | 236,354 | 585,653 |
| Other | 678,206 | 3,732,262 | 1,156,001 | 942,712 | 6,509,181 |
| **Total** | **$10,878,037** | **$11,944,872** | **$9,598,612** | **$9,121,729** | **41,543,250** |

**FY 2019 Department Rankings**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Department/Unit** | **Dollars** | **Parent Unit** |
| **1** | Biological Sciences | 1,337,469 | College of Arts and Sciences |
| **2** | Chemistry | 1,210,223 | College of Arts and Sciences |
| **3** | Mechanical Engineering | 1,101,111 | College of Engineering & Computer Science |
| **4** | Physics | 973,735 | College of Arts and Sciences |
| **5** | Computer Science and Engineering | 907,604 | College of Engineering & Computer Science |

**FY 2019 Non-Academic and Other Unit Rankings**

|  |  |  |
| --- | --- | --- |
|  | **Department/Unit** | **Dollars** |
| **1** | Pre-College Programs | 212,812 |
| **2** | Macomb-OU Incubator | 197,995 |
| **3** | Research Office | 162,360 |
| **4** | Upward Bound | 113,935 |
| **5** | Graduate Study and Lifelong Learning | 104,772 |

**Comparison of FY 2018 and FY 2019**

**Amounts Awarded by Academic Unit and Other Administrative Units**

|  |  |  |
| --- | --- | --- |
| ***College of Arts and Sciences*** | **FY2018 Awards** | **FY2019 Awards** |
|
| *Art and Art History* | 0 | 10,000 |
| *Biological Sciences* | 2,067,691 | 1,337,469 |
| *Chemistry* | 1,163,000 | 1,210,223 |
| *Mathematics and Statistics* | 0 | 108,215 |
| *Philosophy* | 0 | 8,297 |
| *Physics* | 1,395,296 | 973,735 |
| *Psychology* | 251,788 | 651,028 |
| *Sociology, Anthropology, Social Work and Criminal Justice* | 198,216 | 110,088 |
| ***CAS Total*** | **$5,075,991** | **$4,409,055** |

|  |  |  |
| --- | --- | --- |
| ***Eye Research Institute*** | **FY2018 Awards** | **FY2019 Awards** |
|
| ***ERI Total*** | **$63,677** | **37,500** |

|  |  |  |
| --- | --- | --- |
| ***School of Business Administration*** | **FY2018 Awards** | **FY2019 Awards** |
|
| ***SBA Total*** | **$16,350** | **6,420** |

**Comparison of FY2018 and FY2019, continued**

|  |  |  |
| --- | --- | --- |
| ***School of Engineering and Computer Science*** | **FY2018 Awards** | **FY2019 Awards** |
| *Computer Science and Engineering* | 452,486 | 907,604 |
| *Electrical and Computer Engineering* | 426,018 | 530,342 |
| *Industrial and Systems Engineering* | 23,744 | 202,012 |
| *Mechanical Engineering* | 1,701,927 | 1,101,111 |
| ***SECS Total*** | **$2,604,175** | **2,741,069** |

|  |  |  |
| --- | --- | --- |
| ***School of Education and Human Services*** | **FY2018 Awards** | **FY2019 Awards** |
| *Human Development and Child Studies* | 97,590 | 139,515 |
| *Organizational Leadership* | 0 | 1,500 |
| *Reading and Language Arts* | 0 | 2,075 |
| ***SEHS Total*** | **$97,590** | **$143,090** |

|  |  |  |
| --- | --- | --- |
| ***School of Health Sciences*** | **FY2018 Awards** | **FY2019 Awards** |
| *Human Movement Science* | 1,000 | 221,558 |
| *Interdisciplinary Health Sciences* | 521,524 | 278,909 |
| *Public and Environmental Wellness* | 0 | 99,062 |
| ***SHS Total*** | **$522,524** | **599,529** |

|  |  |  |
| --- | --- | --- |
| ***School of Medicine*** | **FY2018 Awards** | **FY2019 Awards** |
|
| ***SOM Total*** | **$0** | **6,000** |

|  |  |  |
| --- | --- | --- |
| ***School of Nursing*** | **FY2018 Awards** | **FY2019 Awards** |
|
| ***SON Total*** | **$62,304** | **236,354** |

**Comparison of FY2018 and FY2019, continued**

|  |  |  |
| --- | --- | --- |
| ***Other*** | **FY2018 Awards** | **FY2019 Awards** |
| *Center for Multicultural Initiatives* | 645,390 | 100,483 |
| *Diversity, Equity and Inclusion* | 0 | 16,355 |
| *Graduate Study and Lifelong Learning* | 0 | 104,772 |
| *Library* | 6,410 | 0 |
| *Macomb-OU Incubator* | 145,946 | 197,995 |
| *OU Incubator* | 45,950 | 34,000 |
| *Pre-College Programs* | 62,680 | 212,812 |
| *Research Office* | 249,625 | 162,360 |
| *Upward Bound* | 0 | 113,935 |
| ***Other Total*** | **$1,156,001** | **$942,712** |

|  |  |  |
| --- | --- | --- |
| ***Oakland University Total*** | **FY2018 Awards** | **FY2019 Awards** |
| ***Grand Total*** | **$9,598,612** | **$9,121,729** |

**FY 2019 Amount Awarded by Unit and Purpose**

|  |  |  |  |
| --- | --- | --- | --- |
| ***College of Arts and Sciences*** | **Research** | **Instruction** | **Other Sponsored Activities** |
| *Art and Art History* | 0 | 0 | 10,000 |
| *Biological Sciences* | 1,345,469 | 0 | 0 |
| *Chemistry* | 1,210,223 | 0 | 0 |
| *Mathematics and Statistics* | 108,215 | 0 | 0 |
| *Philosophy* | 8,297 | 0 | 0 |
| *Physics* | 965,735 | 0 | 0 |
| *Psychology* | 651,028 | 0 | 0 |
| *Sociology and Anthropology* | 0 | 0 | 110,088 |
| ***CAS Total*** | **4,288,967** | **$0** | **$120,088** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Eye Research Institute*** | **Research** | **Instruction** | **Other Sponsored Activities** |
| ***ERI Total*** | **37,500** | **$0** | **$0** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***School of Business Administration*** | **Research** | **Instruction** | **Other Sponsored Activities** |
| *Management and Marketing* | 0 | 6,420 | 0 |
| ***SBA Total*** | **0** | **$6,420** | **$0** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***School of Engineering and Computer***  ***Science*** | **Research** | **Instruction** | **Other Sponsored Activities** |
| *Computer Science and Engineering* | 810,554 | 97,050 | 0 |
| *Electrical and Computer Engineering* | 530,342 | 0 | 0 |
| *Industrial and Systems Engineering* | 202,012 | 0 | 0 |
| *Mechanical Engineering* | 990,376 | 110,735 | 0 |
| ***SECS Total*** | **$2,533,284** | **$207,785** | **$0** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***School of Education and Human***  ***Services*** | **Research** | **Instruction** | **Other Sponsored Activities** |
| *Human Development and Child Studies* | 0 | 22,168 | 117,347 |
| *Organizational Leadership* | 0 | 0 | 1,500 |
| *Reading and Language Arts* | 0 | 2,075 | 0 |
| ***SEHS Total*** | **$0** | **$24,243** | **$118,847** |

**FY 2019 Amount Awarded by Unit and Purpose, continued**

|  |  |  |  |
| --- | --- | --- | --- |
| ***School of Health Sciences*** | **Research** | **Instruction** | **Other Sponsored Activities** |
| *Human Movement Science* | 221,558 | 0 | 0 |
| *Interdisciplinary Health Sciences* | 278,909 | 0 | 0 |
| *Public and Environmental Wellness* | 99,062 | 0 | 0 |
| ***SHS Total*** | **$599,529** | **$0** | **$0** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***School of Nursing*** | **Research** | **Instruction** | **Other Sponsored Activities** |
| ***SON Total*** | **0** | **$236,354** | **$0** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***School of Medicine*** | **Research** | **Instruction** | **Other Sponsored Activities** |
| ***SOM Total*** | **$6,000** | **$0** | **$0** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Other*** | **Research** | **Instruction** | **Other Sponsored Activities** |
| *Center for Multicultural Initiatives* | 0 | 100,483 | 0 |
| *Diversity, Equity and Inclusion* | 0 | 0 | 16,355 |
| *Graduate Study and Lifelong Learning* | 0 | 0 | 104,772 |
| *Macomb-OU Incubator* | 0 | 0 | 197,995 |
| *OU Incubator* | 0 | 0 | 34,000 |
| *Pre-College Programs* | 0 | 72,812 | 140,000 |
| *Research Office* | 0 | 0 | 162,360 |
| *Upward Bound* | 0 | 113,935 | 0 |
| ***Other Total*** | **$0** | **$287,230** | **$655,482** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Oakland University Total*** | **Research** | **Instruction** | **Other Sponsored Activities** |
| ***Grand Total*** | **$7,465,280** | **$762,032** | **$894,417** |

**FY 2019 Amount Awarded by Unit and Source**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| College of Arts and Sciences | Federal | State/Local | Corporate | Public/  Nonprofit |
| Art and Art History | 10,000 | 0 | 0 | 0 |
| Biological Sciences | 1,255,911 | 0 | 0 | 89,558 |
| Chemistry | 894,281 | 0 | 0 | 315,942 |
| Mathematics and Statistics | 108,215 | 0 | 0 | 0 |
| Philosophy | 0 | 0 | 0 | 8,297 |
| Physics | 965,735 | 0 | 0 | 0 |
| Psychology | 651,028 | 0 | 0 | 0 |
| Sociology and Anthropology | 0 | 0 | 0 | 110,088 |
| **CAS Total** | **$3,885,170** | **$0** | **$0** | **523,885** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Eye Research Institute | Federal | State/Local | Corporate | Public/  Nonprofit |
| **ERI Total** | **$37,500** | **$0** | **$0** | **$0** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| School of Business Administration | Federal | State/Local | Corporate | Public/  Nonprofit |
| Management and Marketing | 0 | 0 | 6,420 | 0 |
| **SBA Total** | **$0** | **$0** | **$6,420** | **$0** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| School of Engineering and Computer Science | Federal | State/Local | Corporate | Public/  Nonprofit |
| Computer Science and Engineering | 867,604 | 0 | 0 | 40,000 |
| Electrical and Computer Engineering | 316,682 | 0 | 213,660 | 0 |
| Industrial and Systems Engineering | 152,012 | 0 | 50,000 | 0 |
| Mechanical Engineering | 710,073 | 88,735 | 302,303 | 0 |
| **SECS Total** | **$2,046,371** | **$88,735** | **$565,963** | **$40,000** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| School of Education and  Human Services | Federal | State/Local | Corporate | Public/  Nonprofit |
| Human Development and Child Studies | 0 | 139,515 | 0 | 0 |
| Organizational Leadership | 0 | 0 | 0 | 1,500 |
| Reading and Language Arts | 0 | 0 | 0 | 2,075 |
| **SEHS Total** | **$0** | **$139,515** | **$0** | **$3,575** |

**FY 2019 Amount Awarded by Unit and Source, continued**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| School of Health Sciences | Federal | State/Local | Corporate | Public/  Nonprofit |
| Human Movement Science | 0 | 0 | 20,000 | 201,558 |
| Interdisciplinary Health Sciences | 49,281 | 7,000 | 0 | 222,628 |
| Public and Environmental Wellness | 95,009 | 4,053 | 0 | 0 |
| **SHS Total** | **$144,290** | **$11,053** | **$20,000** | **$424,186** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| School of Medicine | Federal | State/Local | Corporate | Public/  Nonprofit |
| **SOM Total** | **$0** | **$0** | **$0** | **$6,000** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| School of Nursing | Federal | State/Local | Corporate | Public/  Nonprofit |
| **SON Total** | **$224,233** | **$12,121** | **$0** | **$0** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Other | Federal | State/Local | Corporate | Public/  Nonprofit |
| Center for Multicultural Initiatives | 0 | 100,483 | 0 | 0 |
| Diversity, Equity and Inclusion | 0 | 16,355 | 0 | 0 |
| Graduate Study and Lifelong Learning | 0 | 104,772 | 0 | 0 |
| Macomb OU Incubator | 0 | 197,995 | 0 | 0 |
| OU Incubator | 0 | 34,000 | 0 | 0 |
| Pre-College Programs | 0 | 212,812 | 0 | 0 |
| Research Office | 0 | 162,360 | 0 | 0 |
| Upward Bound | 113,935 | 0 | 0 | 0 |
| **Other Total** | **$113,935** | **$828,777** | **$0** | **$0** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Oakland University Total | Federal | State/Local | Corporate | Public/  Nonprofit |
| **Grand Total** | **$6,451,499** | **$1,080,201** | **$592,383** | **$997,646** |

**Amount Awarded by Federal Agency \***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Agency/Sponsor | FY2016 | FY2017 | FY2018 | FY2019 |
| Army Educational Outreach Program | 0 | 0 | 4,000 | 0 |
| Centers for Disease Control and Prevention | 0 | 0 | 455,524 | 0 |
| Environmental Protection Agency\* | 0 | 0 | 90,544 | 0 |
| Health Resources and Services Administration | 58,346 | 0 | 26,992 | 224,233 |
| HighScope Research Foundation | 0 | 560,994 | 0 | 0 |
| Los Alamos National Lab | 0 | 69,957 | 2,700 | 0 |
| Michigan Council for Arts and cultural Affairs | 0 | 0 | 0 | 10,000 |
| Michigan Department of Labor/Economic Growth | 0 | 196,023 | 0 | 0 |
| Michigan Department of Natural Resources | 0 | 191,888 | 0 | 0 |
| USAID | 0 | 0 | 56,844 | 0 |
| National Advanced Mobility Consortium | 0 | 0 | 0 | 75,000 |
| National Aeronautics and Space Administration | 628,713 | 52,500 | 41,500 | 70,000 |
| National Center for Manufacturing Sciences | 507,772 | 105,107 | 853,372 | 0 |
| National Endowment for the Humanities | 0 | 0 | 6,410 | 0 |
| National Institutes of Health | 5,167,979 | 1,277,018 | 3,003,797 | 1,494,402 |
| National Science Foundation | 1,826,724 | 3,410,486 | 979,356 | 3,289,388 |
| National Security Agency | 119,847 | 100,000 | 200,000 | 97,050 |
| National Writing Project | 0 | 15,000 | 0 | 0 |
| NIDILRR-Rehabilitation Research & Training Ctrs | 0 | 55,428 | 0 | 0 |
| Pacific Northwest National Laboratory | 0 | 82,999 | 78,085 | 0 |
| SUNY Downstate Medical Center | 135,000 | 0 | 0 | 0 |
| Tuskegee University | 0 | 0 | 14,994 | 0 |
| United States Army-TACOM | 0 | 30,000 | 0 | 0 |
| United States Army-TARDEC | 0 | 0 | 0 | 79,550 |
| United States Army | 8,000 | 4,000 | 0 | 2,000 |
| United States Council for Automotive Research | 0 | 80,086 | 0 | 0 |
| United States Department of Agriculture | 59,277 | 0 | 0 | 83,281 |
| United States Department of Defense | 0 | 0 | 749,803 | 678,039 |
| United States Department of Education | 0 | 3,075,850 | 0 | 113,935 |
| United States Department of Energy | 0 | 0 | 0 | 234,621 |
| University of California | 0 | 430,000 | 0 | 0 |
| University of Houston | 38,733 | 0 | 0 | 0 |
| University of Iowa | 0 | 9,984 | 0 | 0 |
| University of Michigan | 0 | 17,000 | 320,535 | 0 |
| Veterans Affairs | 0 | 6,813 | 0 | 0 |
| Virginia Polytechnic Institute and State University | 240,000 | 0 | 240,000 | 0 |
| Wayne State University | 70,000 | 0 | 0 | 0 |
| **Oakland University Grand Total** | **$8,860,391** | **$9,771,133** | **$7,124,456** | **$6,451,499** |

**\* Includes flow through funding**

**Amount Awarded by State/Local Agency**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Agency/Sponsor | FY2016 | FY2017 | FY2018 | FY2019 |
| Grand Valley State University | 290,390 | 85,000 | 0 | 84,000 |
| Macomb County | 9,000 | 0 | 0 | 0 |
| Macomb Intermediate School District | 0 | 0 | 65,090 | 67,347 |
| Michigan Council for Arts and Cultural Affairs | 0 | 18,000 | 0 | 0 |
| Michigan Department of Education | 380,000 | 0 | 0 | 22,168 |
| Michigan Department of Environmental Quality | 0 | 158,314 | 0 | 0 |
| Michigan Department of Health and Human Services | 0 | 88,300 | 32,500 | 50,000 |
| Michigan Department of Labor and Economic Growth | 0 | 0 | 62,680 | 17,600 |
| Michigan Economic Development Corporation | 25,000 | 25,000 | 442,521 | 310,355 |
| Michigan State Police | 10,550 | 0 | 0 | 16,355 |
| Michigan State University | 5,800 | 0 | 0 | 0 |
| Michigan Technological University | 0 | 0 | 10,000 | 0 |
| Oakland County Health Division | 3,761 | 5,487 | 6,000 | 7,000 |
| Oakland County Homeland Security | 7,902 | 0 | 0 | 0 |
| Oakland Schools | 0 | 56,800 | 0 | 0 |
| State of Michigan | 91,364 | 91,364 | 734,125 | 505,376 |
| **Oakland University Grand Total** | **$ 823,767** | **$528,265** | **$1,352,916** | **1,080,201** |

**Amount Awarded by Corporations**

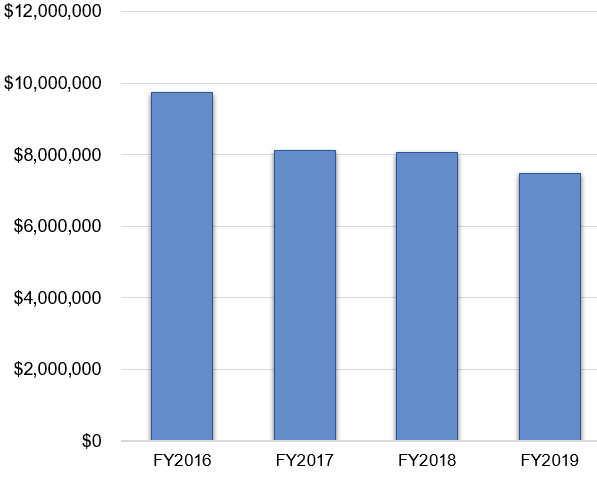
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Agency/Sponsor | FY2016 | FY2017 | FY2018 | FY2019 |
| ANIARA | 10,000 | 0 | 0 | 0 |
| Auto/Steel Partnership | 53,072 | 0 | 0 | 0 |
| Balance Tracking Systems | 0 | 0 | 0 | 20,000 |
| BetaCae Systems | 0 | 63,900 | 0 | 0 |
| Brar Technology | 5,027 | 0 | 0 | 0 |
| Comcast Innovation Fund | 0 | 0 | 50,000 | 0 |
| Consumers Energy | 0 | 0 | 54,000 | 0 |
| Continental Automotive Systems, Inc. | 0 | 0 | 0 | 41,775 |
| DTE Energy | 35,000 | 0 | 0 | 0 |
| Dura Automotive, LLC | 0 | 0 | 0 | 132,312 |
| Eaton Corporation | 0 | 0 | 46,000 | 0 |
| Electric Power Research Institute, Inc. | 0 | 0 | 0 | 25,000 |
| Fiat Chrysler Automobiles | 270,424 | 312,861 | 317,264 | 310,528 |
| Ford Motor Company | 149,999 | 0 | 0 | 0 |
| Hitachi America, Ltd. | 0 | 0 | 16,350 | 6,420 |
| Hyundai Mobis Company | 0 | 0 | 60,000 | 0 |
| I\*Logic Inc | 5,000 | 0 | 0 | 0 |
| Magna Electronics | 143,819 | 0 | 0 | 0 |
| Molex, LLC | 0 | 0 | 0 | 56,348 |
| PPG Industries, Inc. | 0 | 74,550 | 0 | 0 |
| Retinal Solutions, LLC | 81,150 | 0 | 0 | 0 |
| X-wave Innovations | 0 | 0 | 20,000 | 0 |
| **Oakland University Grand Total** | **$753,491** | **$451,311** | **$563,614** | **592,383** |

**Amount Awarded by Public/Nonprofit Sponsors**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Agency/Sponsor | FY2016 | FY2017 | FY2018 | FY2019 |
| Academy of Applied Science | 4,000 | 0 | 0 | 0 |
| Alliance of Coalitions for Healthy Communities | 0 | 0 | 16,500 | 0 |
| Alpha Foundation | 0 | 0 | 175,000 | 0 |
| American Association of Anatomists | 0 | 50,000 | 0 | 0 |
| American Cancer Society | 0 | 20,000 | 0 | 0 |
| American Chemical Society | 55,000 | 0 | 0 | 0 |
| American Educational Research Association | 0 | 0 | 0 | 2,075 |
| American Heart Association | 4,000 | 305,031 | 0 | 375,942 |
| American Psychological Association | 0 | 1,000 | 0 | 0 |
| American Sociological Association | 0 | 0 | 7,999 | 0 |
| Arnold P. Gold Foundation | 4,000 | 2,000 | 0 | 0 |
| Beaumont Research Institute | 0 | 10,143 | 0 | 0 |
| Blue Cross Blue Shield of Michigan Foundation | 0 | 64,000 | 85,312 | 6,000 |
| Brain Aneurysm Foundation | 0 | 0 | 0 | 40,000 |
| Chiang Ching-Kuo Foundation | 17,500 | 0 | 0 | 0 |
| Chicago Assoc for Research and Education in Science | 0 | 8,518 | 0 | 0 |
| Community Foundation for Southeastern Michigan | 204,000 | 149,025 | 0 | 0 |
| Comprehensive Early Autism Services | 0 | 32,760 | 0 | 0 |
| DMC Foundation | 41,220 | 0 | 0 | 0 |
| Educas AS | 0 | 0 | 23,744 | 0 |
| Eversight | 0 | 0 | 15,000 | 0 |
| Foundation for Food and Agriculture Research | 0 | 421,236 | 0 | 0 |
| George Washington University | 0 | 0 | 0 | 25,119 |
| Golf Ball Divers Alliance | 0 | 0 | 2,500 | 0 |
| HAVEN of Oakland County | 11,600 | 0 | 0 | 0 |
| Helping Hand for Relief and Development | 0 | 0 | 38,222 | 0 |
| Henry Ford Health System | 0 | 0 | 59,976 | 0 |
| Hope Warming Center | 5,014 | 0 | 0 | 0 |
| Jonas Center for Nursing Excellence | 0 | 10,000 | 0 | 0 |
| Judson Center, Inc. | 0 | 0 | 0 | 51,526 |
| Lapeer County Community Foundation | 5,000 | 0 | 0 | 0 |
| Michigan Council for Arts and Cultural Affairs | 12,000 | 0 | 0 | 0 |
| Michigan Health Endowment Fund | 0 | 0 | 0 | 301,558 |
| Michigan State Medical Society Foundation | 1,304 | 0 | 0 | 0 |
| Michigan Swimmer's Itch Partnership | 0 | 0 | 0 | 29,558 |
| National Council of Teachers of English | 0 | 10,000 | 0 | 0 |
| National League of Nursing | 0 | 10,450 | 0 | 0 |
| National Student Affairs in Higher Education | 0 | 0 | 0 | 1,500 |
| Quinnipiac University | 1,250 | 0 | 0 | 0 |
| Reading Recovery Council of North America | 18,000 | 0 | 0 | 0 |
| Sheriff PAL/United Way | 0 | 0 | 0 | 15,000 |
| Sociologists for Women in Society | 0 | 0 | 133,373 | 110,088 |
| Southeast Michigan Health Association | 0 | 0 | 0 | 8,297 |
| Stevens Institute of Technology | 8,000 | 0 | 0 | 0 |
| The Kresge Foundation | 40,000 | 100,000 | 0 | 0 |
| United States Soccer Federation Foundation | 8,500 | 0 | 0 | 0 |
| University of Michigan | 0 | 0 | 0 | 30,983 |
| **Grand Total** | **$440,388** | **$1,194,163** | **$557,626** | **$997,646** |

**Amounts and Number of Research Awards**

**Research Awards**

**Fiscal Years 2016-2019**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **College/School** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| College of Arts and Sciences | 4,727,354 | 4,425,969 | 4,942,618 | 4,288,967 |
| Eye Research Institute | 2,220,027 | 0 | 63,677 | 37,500 |
| School of Business Administration | 0 | 0 | 16,350 | 0 |
| School of Engineering and Computer Science | 2,528,276 | 2,813,107 | 2,493,911 | 2,533,284 |
| School of Education and Human Services | 18,000 | 625,994 | 0 | 0 |
| School of Health Sciences | 19,561 | 197,346 | 522,524 | 599,529 |
| School of Medicine | 11,568 | 54,000 | 0 | 6,000 |
| School of Nursing | 208,199 | 10,450 | 35,312 | 0 |
| **Total** | **$9,732,985** | **$8,126,866** | **$8,074,392** | **$7,465,280** |

**Purpose of Funding: Research**

**FY 2019 Research Awards by Source**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Source** | **Amount** | **Amount Percentage** | **Number of Awards** | **Number Percentage** |
| Federal | 5,984,281 | 80.1% | 46 | 63.9% |
| State/Local | 11,053 | 0.2% | 2 | 2.8% |
| Corporate | 585,963 | 7.9% | 10 | 13.9% |
| Public/Nonprofit | 883,983 | 11.8% | 14 | 19.4% |
| **Total** | **$7,465,280** | **100.0%** | **72** | **100.0%** |

**Research Awards by Department**

**Fiscal Years 2016 – 2019**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***College of Arts and Sciences*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Biological Sciences* | 729,490 | 2,578,789 | 2,067,691 | 1,345,469 |
| *Chemistry* | 1,130,098 | 313,845 | 1,163,000 | 1,210,223 |
| *Mathematics and Statistics* | 19,847 | 0 | 0 | 108,215 |
| *Modern Languages and Literatures* | 17,500 | 0 | 0 | 0 |
| *Philosophy* | 0 | 0 | 0 | 8,297 |
| *Physics* | 2,818,819 | 675,829 | 1,395,296 | 965,735 |
| *Psychology* | 11,600 | 797,506 | 251,788 | 651,028 |
| *Sociology and Anthropology* | 0 | 50,000 | 64,843 | 0 |
| *Writing and Rhetoric* | 0 | 10,000 | 0 | 0 |
| ***CAS Total*** | **$4,727,354** | **$4,425,969** | **$4,942,618** | **4,288,967** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Eye Research Institute*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| ***ERI Total*** | **$2,220,027** | **$0** | **$63,677** | **$37,500** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Business Administration*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Decision and Information Sciences* | 0 | 0 | 0 | 0 |
| *Management and Marketing* | 0 | 0 | 16,350 | 0 |
| ***SBA Total*** | **$0** | **$0** | **$16,350** | **$0** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Engineering and Computer Science*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Computer Science and Engineering* | 746,526 | 1,183,780 | 342,222 | 810,554 |
| *Electrical and Computer Engineering* | 117,477 | 999,299 | 426,018 | 530,342 |
| *Industrial and Systems Engineering* | 35,000 | 55,000 | 23,744 | 202,012 |
| *Mechanical Engineering* | 1,629,273 | 575,028 | 1,701,927 | 990,376 |
| ***SECS Total*** | **$2,528,276** | **$2,813,107** | **$2,493,911** | **$2,533,284** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Education and Human Services*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Educational Leadership* | 0 | 0 | 0 | 0 |
| *Human Development and Child Studies* | 0 | 625,994 | 0 | 0 |
| *Reading and Language Arts* | 18,000 | 0 | 0 | 0 |
| ***SEHS Total*** | **$18,000** | **$625,994** | **$0** | **$0** |

**Research Awards by Department, continued**

**Fiscal Years 2016 – 2019**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Health Sciences*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Human Movement Science* | 0 | 23,300 | 1,000 | 221,558 |
| *Interdisciplinary Health Sciences* | 19,561 | 174,046 | 521,524 | 278,909 |
| *Public and Environmental Wellness* | 0 | 0 | 0 | 99,062 |
| ***SHS Total*** | **$19,561** | **$197,346** | **$522,524** | **$599,529** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Medicine*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| ***SOM Total*** | **$11,568** | **$54,000** | **$0** | **$6,000** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Nursing*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| ***SON Total*** | **$208,199** | **$10,450** | **$35,312** | **$0** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Oakland University Total*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| ***Grand Total Research*** | **$9,732,985** | **$8,126,866** | **$8,074,392** | **$7,465,280** |
| ***Grand Total Funding*** | **$10,878,037** | **$11,944,872** | **$9,598,612** | **$9,121,729** |

**FY 2019 Research Awards by Unit, Department, and Principal Investigator**

**College of Arts and Sciences**

*Biological Sciences*

Govind, Chhabi; Role of Histone Chaperones in Transcription and Chromatin Structure; National Institutes of Health, $443,592

Hansen, Fay; Evaluating Antibiotic Resistance in Locally Grown Fresh Produce with the Aim to Enhance Urban Food Sustainability; USDA, $83,281

Lal, Shailesh; Genetic, Molecular, and Biochemical Dissection of RNA Splicing Factors Critical for Maize Endosperm Development; National Science Foundation, $97,722

Liu, Zijuan; Role of ZIP8 in Regulation of Liver Methionine Metabolism; National Institutes of Health, $150,000

Raffel, Thomas; Exploring Swimmer's Itch Drivers with a State-Wide Snail Survey and Mesocosm Experiments; Michigan Swimmer's Itch Partnership, $29,558

Song, Mi Hye; Centrosome Regulation and Its Link to the Cell Cycle; National Institutes of Health, $442,500

Villa-Diaz, Luis; Use of Simulated Microgravity to Investigate Stem Cell Properties; Michigan Space Grant Consortium, University of Michigan, $5,000

Villa-Diaz, Luis; Low-Cost Methods for Simulated Microgravity and Characterization of Integrin-Alpha6 in Space; Michigan Space Grant Consortium, University of Michigan, $3,000

Westrick, Randal; AHA Summer Undergraduate Fellowship Program; American Heart Association, $60,000

Westrick, Randal; Characterization of an Isoform Specific Anticoagulant Function of TFPI-alpha; National Institutes of Health, $30,816

*Chemistry*

Avery, Adam; Drug Discovery for Spinocerebellar Ataxia, Using Novel Fluorescence Technology Targeting Beta-III-Spectrin; National Institutes of Health, $294,985

Dembinski, Roman; MRI: Acquisition of an EPR X-Band Spectrometer; National Science Foundation, $289,760

Martic, Sanela; Amyloid Disease of the Heart: Mechanism and Treatment; American Heart Association, $161,942

Szlag, David; Detection of Microcystins with Aptamer Based Biolayer Interferometry; Michigan Space Grant Consortium, University of Michigan, $5,000

Wu, Colin; Evaluation of Cardiovascular Risk of BRCA1 Mutation Carriers; American Heart Association, $154,000

Wu, Colin; Evaluating the Delayed Effects of Microgravity on Human Health; Michigan Space Grant Consortium, University of Michigan, $5,000

Yang, Ziming; Investigating Mineral-Promoted Amino Acid Interconversions in Hydrothermal Fluids; Michigan Space Grant Consortium, University of Michigan, $5,000

Zeng, Xiangqun; EAGER SitS: Multimodal Gas Sensor for In Situ Methane and Carbon Dioxide Detection in Arctic Soils; National Science Foundation, $294,536

*Mathematics and Statistics*

Tran, Nghia; Second-Order Variational Analysis in Structured Optimization Problems and Algorithms; National Science Foundation, $108,215

*Philosophy*

Navin, Mark; Vaccine Mandates and Co-Opted Governance in Southeast Michigan; Southeast Michigan Health Association, $8,297

*Physics*

Cholis, Ilias; Modeling Solar Modulation of Cosmic Rays Analytically with Data from 2006 to 2016; Michigan Space Grant Consortium, University of Michigan, $5,000

Srinivasan, Gopalan; Hexagonal Ferrite-Ferroelectric Core-Shell Nanofibers, Field-Assisted Assembly of Superstructures; National Science Foundation, $448,736

Srinivasan, Gopalan; Non-Linear Magneto-Electric Interactions in Thin Films of Hexagonal Ferrites and Voltage-Tunable High Frequency Ferrite Devices; National Science Foundation, $400,000

Zhang, Wei; Microwave Excitation of Nitrogen-Vacancy Centers in Diamond; Department of Energy / Argonne National Laboratory, $39,999

Zhang, Wei; THZ Spintronics with Antiferromagnetic Heterostructures; United States Air Force, $66,000

Zhang, Wei; Investigating Modulated Laser Pumping and Heating for Spin-Based Energy Harvesting; Michigan Space Grant Consortium, University of Michigan, $3,000

Zhang, Wei; Investigating Layer Stacking Effect and the Lateral and Vertical Temperature Profiles; Michigan Space Grant Consortium, University of Michigan, $3,000

*Psychology*

Escobar, Martha; An HBCU Alliance - A Model to Promote URM Junior Faculty Advancement in the STEM Professoriate; National Science Foundation, $458,797

Escobar, Martha; Collaborative Research: Strategies: Black Girls from Alabama for Computing (LeGACY); National Science Foundation, $192,231

**Eye Research Institute**

Zhang, Dao-Qi; Functional Organization of the Dopaminergic Network; National Institutes of Health, $37,500

**School of Engineering and Computer Science**

*Computer Science and Engineering*

Chen, Jingshu; A User-friendly Fault Injection Framework for Reliable Autonomous System Development; Michigan Space Grant, $3,000

Fu, Huirong; REU Site: Undergraduate Computer Research (UnCore) in Cyber Security; National Science Foundation, $360,000

Fu, Huirong; REU Site: Undergraduate Computer Research (UnCore) in Cyber Security, National Science Foundation, $20,000

Malik, Khalid Mahmood; Forensic Examiner: Testbed for Benchmarking Digital Audio Forensic Algorithms; National Science Foundation, $199,909

Malik, Khalid Mahmood; Forensic Examiner: Testbed for Benchmarking Digital Audio Forensic Algorithms; National Science Foundation, $8,000

Malik, Khalid Mahmood; NeuroAssist: An Intelligent Decision Support System for Prediction of Brain Aneurysm Rupture; Brain Aneurysm Foundation, $40,000

Rrushi, Julian; Defense OS-Resident Cyber Deception Operations Rooted in MILDEC; United States Air Force, $179,645

*Electrical and Computer Engineering*

Cheok, Ka C.; Robotics Technology Kernel (RTK) for Logistics Automation Autonomous Driving; Great Lakes Systems and Technology LLC/National Advanced Mobility Consortium, $75,000

Li, Jia; Dynamic Date Driven Multistatic EO/RF Sensor Fusion; Air Force Office of Scientific Research, $207,504

Louie, Wing-Yue; Driver State Monitoring System; Dura Automotive, LLC, $64,171

Louie, Wing-Yue; Evaluating a Virtual Reality-based Interface for Teaching Humanoids; Michigan Space Grant Consortium, $5,000

Qu, Hongwei; Material Characterization for Electroplated Contacts; Molex, LLC, $56,348

Rawashdeh, Osamah; Dura Automotive Driver State Monitoring; Dura Automotive, $68,141

Rawashdeh, Osamah; Propulsion System Optimization for a Gas-Electric Hybrid Drone; Michigan Space Grant Consortium, $3,000

Tang, Jing; Toward Next Generation Positron Emission Tomography/Magnetic Resonance Imaging; National Science Foundation, $26,178

Zohdy, Mohamed; Support for Artificial Intelligence Algorithm for Air Quality Control; Electric Power Research Institute, Inc., $25,000

*Industrial and Systems Engineering*

Nezammoddini, Nasim; Designing Self-Adaptive Algorithms for Cognitive Spacecraft; Michigan Space Grant Consortium, $5,000

Pandey, Vijitashwa; Alignment Repair Strategies to Reduce Warranty Costs using a Probabilistic Decision Model; Fiat Chrysler Automobiles, $50,000

Pandey, Vijitashwa; A Decision-Based Mobility Model for Semi and Fully Autonomous Vehicles; United States Army TARDEC, $79,550

Pandey, Vijitashwa; A Decision-Based Mobility Model for Semi and Fully Autonomous Vehicles; United States Army TARDEC, $67,462

*Mechanical Engineering*

Barber, Gary; Mechanical Properties of 52100 Steel; Fiat Chrysler Automobiles, $40,000

Golovashchenko, Sergey; CLIC Form; Fiat Chrysler Automobiles, $110,264

Golovashchenko, Sergey; CLIC Form; Fiat Chrysler Automobiles, $110,264

Guessous, Laila; Numerical Analysis and Evaluation of Common Thermal Dissipation Strategies for Electronics Cooling; Continental Automotive Systems, Inc., $41,775

Guessous, Laila; REU Site: Automotive and Energy Research and Industrial Mentorship (AERIM) Program at Oakland University; National Science Foundation, $370,304

Shall, James; Adhesion Mechanics of Van der Waals Interfaces: Fundamental Nanoscale Experiments and Simulations; Air Force Office of Scientific Research, $108,147

Nassar, Sayed/Yang, Lian; Planning IUCRC Oakland University: Center for Digital Composite Joining and Repair; National Science Foundation, $15,000

Zhao, Peng; MISR: miniature Ignition Screening Rapid Compression Machine for Kinetic Measurements of Novel Fuel; United States Department of Energy, $194,622

**School of Health Sciences**

*Human Movement Science*

Arena, Sara; Direct Community Referrals to the HOP-UP-PT; Michigan Health Endowment Fund, $201,558

Goble, Daniel; Normative Data for the Balance Tracking System; Balance Tracking Systems, $20,000

*Interdisciplinary Health Sciences*

Lucarelli, Jennifer; PAL Needs Assessment and Evaluation; Sheriff PAL/United Way, $15,000

Lucarelli, Jennifer; PAL Prescription for Healthy Families; Michigan Health Endowment Fund, $100,000

Papadimitriou, Christina; No One Listens to Me - Understanding Recovery When Patients Cannot Speak for Themselves; George Washington University, $25,119

Rohn, Edward; Phenomenology of Chronic Pain after Spinal Cord Injury: Experience, Adaptation and Qualify of Life; United States Army, $49,281

Rohn, Edward; Phenomenology of Chronic Pain after Spinal Cord Injury: Experience, Adaptation and Qualify of Life; United States Army, $30,983

Stevenson, Laurel; Judson Center Evaluation; Judson Center, Inc., $51,526

Stevenson, Laurel; Wellness Evaluation Project – NPC; Oakland County Health Department, $7,000

*Public and Environmental Wellness*

Dallo, Florence; Stress (Early Childhood and Politically-Related) and Health; Harvard University, $64,609

Dallo, Florence; Michigan Center for Contextual Factors in Alzheimer's Disease; National Institutes of Health, $30,400

Olawoyin, Richard; State of Michigan Independent Risk Analysis for the Straits Pipeline; State of Michigan, $4,053

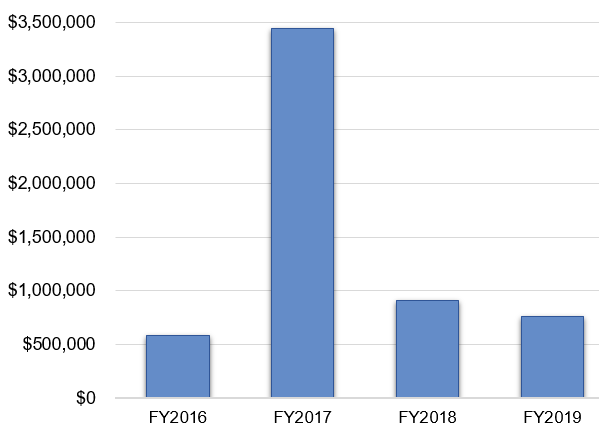
**School of Medicine**

Baker, Erin; Retrospective Review of Infected Shoulder Arthroplasty Cases to Assess Infections; Blue Cross Blue Shield of Michigan Foundation, $3,000

Wasserman, Jason; Street Medicine Pontiac: A Collaboration and Extension of the Gary Burnstein Community Health Clinic and the Oakland University William Beaumont Student Run Free Clinic; Blue Cross Blue Shield of Michigan Foundation, $3,000

**Instruction Awards**

**Instruction Awards  
Fiscal Years 2016-2019**



**Academic Unit Comparison**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Academic Unit** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| **College of Arts and Sciences** | 0 | 15,000 | 0 | 0 |
| **School of Business Administration** | 0 | 0 | 0 | 6,420 |
| **School of Engineering and Computer Science** | 0 | 0 | 110,264 | 207,785 |
| **School of Education and Human Services** | 8,000 | 0 | 65,090 | 24,243 |
| **School of Medicine** | 380,000 | 10,000 | 0 | 0 |
| **School of Nursing** | 58,346 | 0 | 26,992 | 236,354 |
| **Other** | 139,266 | 3,413,237 | 708,070 | 287,230 |
| **Total** | **$585,612** | **$3,438,237** | **$910,416** | **$762,032** |

**FY 2019 Instruction Awards by Source**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Source** | **Amount** | **Amount Percentage** | **Number of Awards** | **Number Percentage** |
| **Federal** | 457,218 | 60.0% | 10 | 55.5% |
| **State/Local** | 296,319 | 38.9% | 6 | 33.3% |
| **Corporate** | 6,420 | 0.8% | 1 | 5.6% |
| **Public/Nonprofit** | 2,075 | 0.3% | 1 | 5.6% |
| **Total** | **$762,032** | **100.0%** | **18** | **100.0%** |

**Instruction Awards by Department**

**Fiscal Years 2016 – 2019**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***College of Arts and Sciences*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Writing and Rhetoric* | 0 | 15,000 | 0 | 0 |
| ***CAS Total*** | **$0** | **$15,000** | **$0** | **$0** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Business Administration*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Writing and Rhetoric* | 0 | 0 | 0 | 6,420 |
| ***CAS Total*** | **$0** | **$0** | **$0** | **$6,420** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Engineering and Computer Science*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Computer Science and Engineering* | 8,000 | 0 | 0 | 97,050 |
| *Mechanical Engineering* | 0 | 0 | 110,264 | 110,735 |
| ***SECS Total*** | **$8,000** | **$0** | **$110,264** | **$207,785** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Education and Human Services*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Human Development and Child Studies* | 380,000 | 0 | 65,090 | 22,168 |
| *Reading and Language Arts* | 0 | 0 | 0 | 2,075 |
| ***SEHS Total*** | **$380,000** | **$0** | **$65,090** | **$24,243** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Nursing*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| ***SON Total*** | **$58,346** | **$10,000** | **$26,992** | **$236,354** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Other*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Center for Multicultural Initiatives* | 91,364 | 91,364 | 645,390 | $100,483 |
| *Office of the Senior Associate Provost* | 40,000 | 0 | 0 | 0 |
| *Police* | 7,902 | 0 | 0 | 0 |
| *Pre-College Programs* | 0 | 196,023 | 62,680 | 72,812 |
| *Student Affairs* | 0 | 50,000 | 0 | 0 |
| *Upward Bound* | 0 | 3,075,850 | 0 | 113,935 |
| ***CAS Total*** | **$139,266** | **$3,413,237** | **$708,070** | **$287,230** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Oakland University Total*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| ***Grand Total Instruction*** | **$585,612** | **$3,438,237** | **$910,416** | **$762,032** |
| ***Grand Total Funding*** | **$10,878,037** | **$11,944,872** | **$9,598,612** | **9,121,729** |

**FY 2019 Instruction Awards by Unit, Department and Principal Investigator**

**School of Business Administration**

*Management and Marketing*

Thrasher, Gregory; Competency Measurement and Implementation: Stage 2; Hitachi America, Ltd., $6,420

**School of Engineering and Computer Science**

*Computer Science and Engineering*

Fu, Huirong; GenCyber: Cybersecurity Camp for K-12 Teachers; National Security Agency $97,050

*Mechanical Engineering*

Kobus, Krzysztof; United States Army Research and Engineering Apprenticeship; United States Army $2,000

Kobus, Krzysztof; MICUP-HTech Jobs of the Future Program; State of Michigan, $88,735

Kobus, Krzysztof; Earth System Science STEM Camps, Outreach and Teacher Training; National Aeronautics and Space Administration, $20,000

**School of Education and Human Services**

*Human Development and Child Studies*

Wakabayashi, Tomoko; Early Literacy Essentials for Pre-Kindergarten Training of Trainers Evaluation 2018-19; Michigan Department of Education, $22,168

*Reading and Language Arts*

Christ, Tanya; Culturally Relevant Texts for English Learners with Refugee Backgrounds; American Educational Research Association, $2,075

**School of Nursing**

Gajewski, Ellen; Grant 2019 NPFG Oakland University; State of Michigan, $12,121

Harris, Margaret; Nurse Faculty Loan Program Oakland University; Health Resources and Services Administration, $111,111

Hays, Deana; Midwest Integration of the National HIV Curriculum; Health Resources and Services Administration, $10,000

Hranchook, Anne; Nurse Anesthesia Traineeship Grant; Health Resources and Services Administration, $73,517

Hranchook, Anne; Nurse Anesthetist Training Program; Health Resources and Services Administration, $29,605

**Other**

*Center for Multicultural Initiatives*

*Brown-El, Omar; Collectively Oakland Retains Everyone (CORE); State of Michigan, $100,483*

*Pre-College Programs*

McCloud, Reginald; College Day; State of Michigan, $55,212

McCloud, Reginald; GEAR UP. Michigan Department of Labor and Economic Growth, $17,600

*Upward Bound*

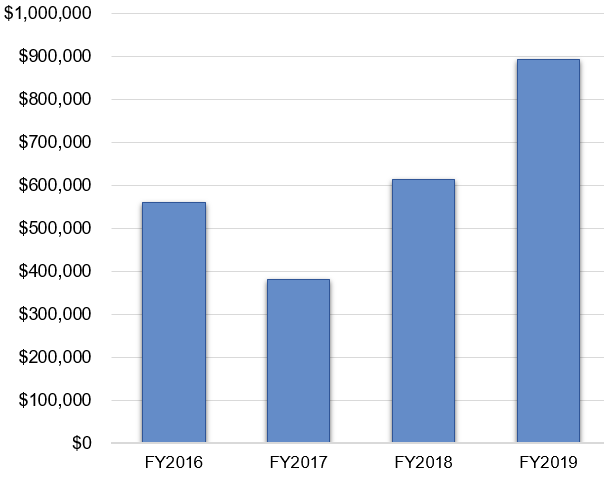
Graham, Geraldine; Project Upward Bound College Prep Academy; U.S. Department of Education, $71,758

Graham, Geraldine; Project Upward Bound College Prep Academy; U.S. Department of Education, $26,798

Graham, Geraldine; Project Upward Bound College Prep Academy; U.S. Department of Education, $15,379

**Other Sponsored Activities Awards**

**Other Sponsored Activities Awards  
Fiscal Years 2016-2019**



**Academic Unit Comparison**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Academic Unit** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| College of Arts and Sciences | 12,000 | 50,760 | 133,373 | 120,088 |
| School of Education and Human Services | 0 | 0 | 32,500 | 118,847 |
| School of Health Sciences | 8,500 | 0 | 0 | 0 |
| School of Medicine | 0 | 9,984 | 0 | 0 |
| Other | 538,940 | 319,025 | 447,931 | 655,482 |
| **Total** | **$559,440** | **$379,769** | **$613,804** | **$894,417** |

**FY 2019 Other Sponsored Activities Awards by Source**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Source** | **Amount** | **Amount Percentage** | **Number of Awards** | **Number Percentage** |
| Federal | 10,000 | 8.1% | 1 | 5.6% |
| State/Local | 772,829 | 86.4% | 14 | 77.8% |
| Public/Nonprofit | 111,588 | 12.5% | 3 | 16.6% |
| **Total** | **$894,417** | **100.0%** | **18** | **100.0%** |

**Other Sponsored Activities by Department**

**Fiscal Years 2016 – 2019**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***College of Arts and Sciences*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Art and Art History* | 12,000 | 18,000 | 0 | 10,000 |
| *Psychology* | 0 | 32,760 | 0 | 0 |
| *Sociology and Anthropology* | 0 | 0 | 133,373 | 110,088 |
| ***CAS Total*** | **$12,000** | **$50,760** | **$133,373** | **$120,088** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Education and Human Services*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Human Development and Child Studies* | 0 | 0 | 32,500 | 117,347 |
| *Organization Leadership* | 0 | 0 | 0 | 1,500 |
| ***SEHS Total*** | **$0** | **$0** | **$32,500** | **$118,847** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Health Sciences*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| ***SHS Total*** | **$8,500** | **$0** | **$0** | **$0** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Medicine*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| ***SOM Total*** | **$0** | **$9,984** | **$0** | **$0** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Other*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| *Campus Recreation* | 0 | 20,000 | 0 | 0 |
| *Center for Student Activities* | 10,550 | 0 | 0 | 0 |
| *Diversity, Equity and Inclusion* | 0 | 0 | 0 | 16,355 |
| *Graduate Study and Lifelong Learning* | 0 | 0 | 0 | 104,772 |
| *Library* | 0 | 0 | 6,410 | 0 |
| *Office of the Senior Associate Provost* | 0 | 100,000 | 0 | 0 |
| *Macomb-OU Incubator* | 281,590 | 55,000 | 145,946 | 197,995 |
| *OU Incubator* | 221,800 | 119,025 | 45,950 | 34,000 |
| *Pre-College Programs* | 0 | 0 | 0 | 140,000 |
| *Research Office* | 25,000 | 25,000 | 249,625 | 162,360 |
| ***Other Total*** | **$538,940** | **$319,025** | **$447,931** | **$655,482** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Oakland University Total*** | **FY2016** | **FY2017** | **FY2018** | **FY2019** |
| ***Grand Total Other Sponsored Activities*** | **$559,440** | **$379,769** | **$613,804** | **$894,417** |
| ***Grand Total Funding*** | **$10,878,037** | **$11,944,872** | **$9,598,612** | **$9,121,729** |

**Other Sponsored Activities Awards by Unit, Department and Principal Investigator**

**College of Arts and Sciences**

*Art and Art History*

Goody, Stephen; FY2019 Project Support; Michigan Council for Arts and Cultural Affairs, $10,000

*Sociology and Anthropology*

Reger, Joanne; Editorship of *Gender and Society*; Sociologists for Women in Society, $66,450

Reger, Joanne; Editorship of *Gender and Society*; Sociologists for Women in Society, $43,638

**School of Education and Human Services**

*Human Development and Child Studies*

Korneder, Jessica; MISD School-Based ABA Services; Macomb Intermediate School District, $67,347

Korneder, Jessica; University Autism Program; Michigan Department of Health and Human Services, $50,000

*Organizational Leadership*

Jourian, Trent; Activating Trans Masculine College Students' Reflections on Campus Experiences, Masculinity, and Community-Building through Long-Term Online Focus Groups; National Student Affairs Administrators in Higher Education, $1,500

**Other**

*Diversity, Equity and Inclusion*

Martinez, Chad; Raising Awareness of Sexual Assault and Campus Resources; Michigan State Police $16,355

*Graduate Study and Lifelong Learning*

Rammel, Claire; King-Chavez-Parks Program for Future Faculty Fellowships; State of Michigan, $104,772

*Macomb-OU Incubator*

Herriman, Lawrence; Business Accelerator Fund-Client Engagement, Security Vitals; Grand Valley State University/MEDC, $10,000

Herriman, Lawrence; Business Accelerator Fund-Client Engagement-Union and Company; Grand Valley State University/MEDC, $10,000

Herriman, Lawrence; Accelerator Development Funds-Discretionary; Grand Valley State University/MEDC, $30,000

Herriman, Lawrence; MSF 2015 Business Incubators; Michigan Economic Development Corporation, $147,995

*OU Incubator*

Kent, Stephen; Business Accelerator Fund-Client Engagement, Innovative Billboards, LLC; Grand Valley State University/MEDC, $4,000

Kent, Stephen; Accelerator Development Funds-Discretionary; Grand Valley State University/MEDC, $30,000

*Pre-College Programs*

McCloud, Reginald; College Day; State of Michigan, $140,000

*Research Office*

Stone, David; T3N 3.0; University of Michigan/MEDC, $50,000

Stone, David; Business Incubator Programs; Michigan Economic Development Corporation, $74,860

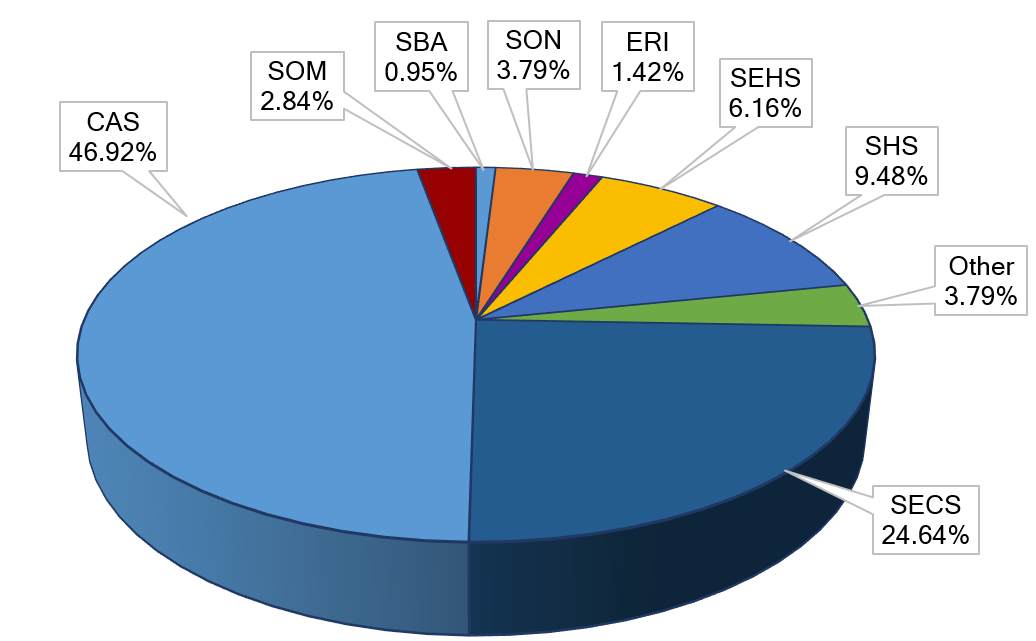
Stone, David; T3N 3.0; University of Michigan/MEDC, $37,500

**Number of Proposals Submitted, FY 2016-2019**



**Number of Proposals Submitted by Academic Unit, FY 2016-2019**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Academic Unit** | **FY2016** | **FY2017** | **FY2018** | **FY2019** | **Grand Total** |
| CAS | 86 | 98 | 88 | 99 | 371 |
| ERI | 5 | 0 | 1 | 3 | 9 |
| SBA | 3 | 2 | 0 | 2 | 7 |
| SECS | 50 | 45 | 45 | 52 | 192 |
| SEHS | 6 | 5 | 9 | 13 | 33 |
| SHS | 11 | 14 | 8 | 20 | 53 |
| SOM | 4 | 6 | 3 | 6 | 19 |
| SON | 4 | 5 | 3 | 8 | 20 |
| Other | 15 | 14 | 4 | 8 | 41 |
| **Grand Total** | **184** | **189** | **161** | **211** | **745** |

**FY 2019 Proposals Submitted by Academic Unit**

**N = 211**

**FY 2019 Proposals Submitted by Academic Unit, continued**

|  |  |  |
| --- | --- | --- |
| College of Arts and Sciences | FY2018 | FY2019 |
| Art and Art History | 1 | 2 |
| Biological Sciences | 32 | 28 |
| Chemistry | 28 | 38 |
| Mathematics and Statistics | 3 | 2 |
| Philosophy | 0 | 2 |
| Physics | 19 | 24 |
| Political Science (Pre-Law) | 1 | 1 |
| Psychology | 2 | 2 |
| Sociology and Anthropology | 2 | 0 |
| **CAS Total** | **88** | **99** |

|  |  |  |
| --- | --- | --- |
| Eye Research Institute | FY2018 | FY2019 |
| **ERI Total** | **1** | **3** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| School of Business Administration | | FY2018 | | FY2019 | |
| Management and Marketing | 0 | | 2 | |
| **SBA Total** | **0** | | **2** | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| School of Engineering and Computer Science | | FY2018 | | FY2019 | |
| Computer Science and Engineering | 11 | | 22 | |
| Electrical and Computer Engineering | 9 | | 14 | |
| Industrial and Systems Engineering | 6 | | 6 | |
| Mechanical Engineering | 19 | | 10 | |
| **SECS Total** | **45** | | **52** | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| School of Education and Human Services | | FY2018 | | FY2019 | |
| Human Development and Child Studies | 4 | | 4 | |
| Reading and Language Arts | 2 | | 3 | |
| Teacher Development and Educational Studies | 2 | | 2 | |
| Organizational Leadership | 1 | | 4 | |
| **SBA Total** | **9** | | **13** | |

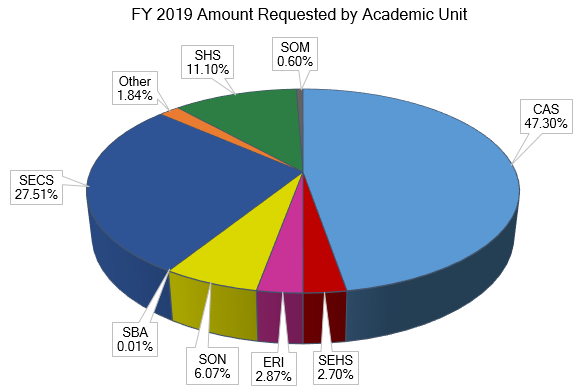
|  |  |  |
| --- | --- | --- |
| School of Health Science | FY2018 | FY2019 |
| Interdisciplinary Health Science | 7 | 13 |
| Human Movement Science | 1 | 4 |
| Public and Environmental Wellness | 0 | 3 |
| **SHS Total** | **8** | **20** |

|  |  |  |
| --- | --- | --- |
| School of Medicine | FY2018 | FY2019 |
| **SOM Total** | **3** | **6** |

|  |  |  |
| --- | --- | --- |
| School of Nursing | FY2018 | FY2019 |
| **SON Total** | **3** | **8** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Other | | FY2018 | | FY2019 | |
| Academic Affairs | 0 | | 1 | |
| Center for Multicultural Initiatives | 1 | | 1 | |
| Diversity, Equity and Inclusion | 0 | | 1 | |
| Library | 0 | | 1 | |
| Meadow Brook Hall | 1 | | 0 | |
| Plant Engineering | 0 | | 1 | |
| Pre-College Programs | 1 | | 2 | |
| Research Office | 1 | | 1 | |
| **Other Total** | **4** | | **8** | |

**Percentage and Amounts Requested by Academic Unit**



**N = $70,986,156**

**Amount Requested by Academic Unit, FY 2016-2019**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Academic Unit** | **FY2016** | **FY2017** | **FY2018** | **FY2019** | **Grand Total** |
| CAS | 27,615,238 | 46,189,248 | 32,526,732 | 33,575,125 | 139,906,343 |
| ERI | 4,196,703 | 0 | 1,875,000 | 2,034,157 | 8,105,860 |
| SBA | 337,614 | 566,257 | 0 | 8,962 | 912,833 |
| SECS | 9,061,603 | 8,088,067 | 8,035,043 | 19,530,994 | 44,715,707 |
| SEHS | 7,100,114 | 2,379,048 | 2,991,058 | 1,917,226 | 14,387,446 |
| SHS | 872,261 | 1,043,560 | 739,423 | 7,881,792 | 10,537,036 |
| SOM | 483,014 | 116,632 | 10,250 | 424,193 | 1,034,089 |
| SON | 1,966,846 | 1,259,052 | 1,335,108 | 4,309,136 | 8,870,142 |
| Other | 1,415,197 | 4,984,757 | 982,570 | 1,304,571 | 8,687,095 |
| **Grand Total** | **$53,048,590** | **$64,626,621** | **$48,495,184** | **$70,986,156** | **$237,156,551** |

**Proposal Funding Requested by Academic Unit**

|  |  |  |
| --- | --- | --- |
| College of Arts and Sciences | FY2018 | FY2019 |
| Art and Art History | 20,000 | 25,000 |
| Biological Sciences | 14,278,109 | 17,915,867 |
| Chemistry | 12,339,927 | 9,112,615 |
| Mathematics and Statistics | 266,659 | 319,122 |
| Philosophy | 0 | 338,375 |
| Physics | 5,176,550 | 5,136,956 |
| Political Science | 22,717 | 17,999 |
| Psychology | 389,779 | 709,191 |
| Sociology and Anthropology | 32,991 | 0 |
| **CAS Total** | **$32,526,732** | **$33,575,125** |

**Proposal Funding Requested by Academic Unit, continued**

|  |  |  |
| --- | --- | --- |
| Eye Research Institute | FY2018 | FY2019 |
| **ERI Total** | **$1,875,000** | **$2,034,157** |

|  |  |  |
| --- | --- | --- |
| School of Business Administration | FY2018 | FY2019 |
| Management and Marketing | 0 | 8,962 |
| **SBA Total** | **$0** | **$8,962** |

|  |  |  |
| --- | --- | --- |
| School of Engineering & Computer Science | FY2018 | FY2019 |
| Computer Science and Engineering | 2,118,370 | 9,876,590 |
| Electrical and Computer Engineering | 1,576,381 | 3,672,108 |
| Industrial and Systems Engineering | 1,111,279 | 1,830,501 |
| Mechanical Engineering | 3,229,013 | 4,151,795 |
| **SECS Total** | **$8,035,043** | **$19,530,994** |

|  |  |  |
| --- | --- | --- |
| School of Education and Human Services | FY2018 | FY2019 |
| Human Development and Child Studies | 1,604,563 | 1,539,514 |
| Organizational Leadership | 264,000 | 67,630 |
| Teacher Development and Educational Studies | 121,905 | 94,926 |
| Reading and Language Arts | 1,000,590 | 215,156 |
| **SEHS Total** | **$2,991,058** | **$1,917,226** |

|  |  |  |
| --- | --- | --- |
| School of Health Sciences | FY2018 | FY2019 |
| Human Movement Science | 0 | 408,986 |
| Interdisciplinary Health Sciences | 739,423 | 6,309,273 |
| Public and Environmental Wellness | 0 | 1,163,533 |
| **SHS Total** | **$739,423** | **$7,881,792** |

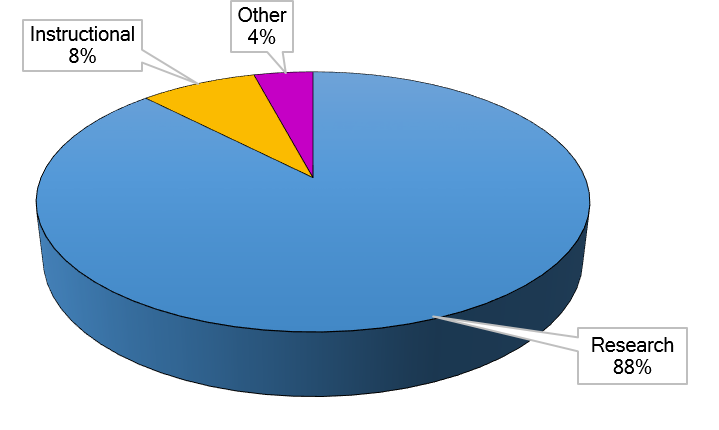
|  |  |  |
| --- | --- | --- |
| School of Medicine | FY2018 | FY2019 |
| **SOM Total** | **$10,250** | **$424,193** |

|  |  |  |
| --- | --- | --- |
| School of Nursing | FY2018 | FY2019 |
| **SON Total** | **$1,335,108** | **$4,309,136** |

|  |  |  |
| --- | --- | --- |
| Other | FY2018 | FY2019 |
| Academic Affairs | 0 | 32,612 |
| Center for Multicultural Initiatives | 645,390 | 100,483 |
| Diversity, Equity and Inclusion | 0 | 31,655 |
| Facilities Management | 0 | 730,125 |
| Library | 0 | 9,943 |
| Meadow Brook Hall | 262,000 | 0 |
| Pre-College Programs | 62,680 | 305,636 |
| Research Office | 12,500 | 94,117 |
| **Other Total** | **$982,570** | **$1,304,571** |

**FY 2018 Proposal Funding Requested by Purpose**

**FY2019 ● Amount Requested by Purpose**



**N = $70,986,156**

|  |  |  |  |
| --- | --- | --- | --- |
| College of Arts and Sciences | Research | Instructional | Other Sponsored Activities |
| Art and Art History | 0 | 0 | 25,000 |
| Biological Sciences | 17,915,867 | 0 | 0 |
| Chemistry | 9,112,615 | 0 | 0 |
| Mathematics and Statistics | 319,122 | 0 | 0 |
| Philosophy | 338,375 | 0 | 0 |
| Physics | 5,136,956 | 0 | 0 |
| Political Science | 0 | 0 | 17,999 |
| Psychology | 709,191 | 0 | 0 |
| **CAS Total** | **$33,532,126** | $0 | **$42,999** |

|  |  |  |  |
| --- | --- | --- | --- |
| Eye Research Institute | Research | Instructional | Other Sponsored Activities |
| **ERI Total** | **$2,034,157** | **$0** | **$0** |

|  |  |  |  |
| --- | --- | --- | --- |
| School of Business Administration | Research | Instructional | Other Sponsored Activities |
| Management and Marketing | 2,500 | 6,462 | 0 |
| **SEHS Total** | **$2,500** | **$6,462** | **$0** |

**FY 2019 Proposal Funding Requested by Purpose, continued**

|  |  |  |  |
| --- | --- | --- | --- |
| ***School of Engineering and Computer Science*** | **Research** | **Instructional** | **Other Sponsored Activities** |
| *Computer Science and Engineering* | 9,228,902 | 647,688 | 0 |
| *Electrical and Computer Engineering* | 3,240,696 | 0 | 431,412 |
| *Industrial and Systems Engineering* | 1,830,501 | 0 | 0 |
| *Mechanical Engineering* | 3,162,272 | 989,523 | 0 |
| ***SECS Total*** | **$17,462,371** | **$1,637,211** | **$431,412** |

|  |  |  |  |
| --- | --- | --- | --- |
| School of Education and Human Services | Research | Instructional | Other Sponsored Activities |
| Human Development and Child Studies | 1,422,167 | 0 | 117,347 |
| Organizational Leadership | 67,630 | 0 | 0 |
| Reading and Language Arts | 215,156 | 0 | 0 |
| Teacher Development and Educational Studies | 94,926 | 0 | 0 |
| **SEHS Total** | **$1,799,879** | **$0** | **$117,347** |

|  |  |  |  |
| --- | --- | --- | --- |
| School of Health Sciences | Research | Instructional | Other Sponsored Activities |
| Human Movement Science | 388,985 | 0 | 20,001 |
| Interdisciplinary Health Sciences | 5,266,042 | 0 | 1,043,231 |
| Public and Environmental Wellness | 1,163,533 | 0 | 0 |
| **SEHS Total** | **$6,818,560** | **$0** | **$1,063,232** |

|  |  |  |  |
| --- | --- | --- | --- |
| School of Medicine | Research | Instructional | Other Sponsored Activities |
| **SOM Total** | **$424,193** | **$0** | **$0** |

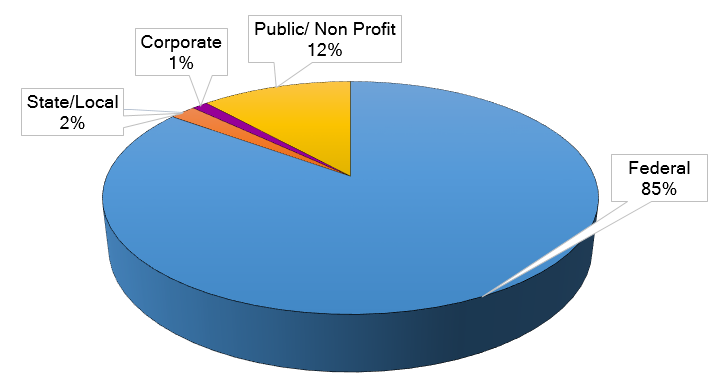
|  |  |  |  |
| --- | --- | --- | --- |
| School of Nursing | Research | Instructional | Other Sponsored Activities |
| **SON Total** | **$161,897** | **$4,135,118** | **$12,121** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Other*** | **Research** | **Instructional** | **Other Sponsored Activities** |
| *Academic Affairs* | 32,612 | 0 | 0 |
| *Center for Multicultural Initiatives* | 0 | 0 | 100,483 |
| *Diversity, Equity and Inclusion* | 0 | 0 | 31,655 |
| *Facilities Management* | 0 | 0 | 730,125 |
| *Library* | 9,943 | 0 | 0 |
| *Pre-College Programs* | 0 | 0 | 305,636 |
| *Research Office* | 0 | 0 | 94,117 |
| ***Other Total*** | **$42,555** | **$0** | **$1,262,016** |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Oakland University Total*** | **Research** | **Instructional** | **Other Sponsored Activities** |
| ***Grand Total*** | **$62,278,238** | **$5,778,791** | **$2,929,127** |

**FY 2019 Proposal Funding Requested by Source**

**FY2019 ● Amount Requested by Source**



**N = $70,986,156**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| College of Arts & Sciences | Federal | State/Local | Corporate | Public/  Nonprofit |
| Art and Art History | 25,000 | 0 | 0 | 0 |
| Biological Sciences | 16,289,209 | 0 | 0 | 1,626,658 |
| Chemistry | 6,734,340 | 11,501 | 0 | 2,366,774 |
| Mathematics and Statistics | 277,122 | 0 | 0 | 42,000 |
| Philosophy | 330,078 | 0 | 0 | 8,297 |
| Physics | 4,370,688 | 0 | 0 | 766,268 |
| Political Science | 0 | 17,999 | 0 | 0 |
| Psychology | 709,191 | 0 | 0 | 0 |
| **CAS Total** | **$28,735,628** | **$29,500** | **$0** | **$4,809,997** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Eye Research Institute | Federal | State/Local | Corporate | Public/  Nonprofit |
| **ERI Total** | **$2,009,997** | **$0** | **$0** | **$24,160** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Business Administration*** | **Federal** | **State/Local** | **Corporate** | **Public/**  **Nonprofit** |
| *Management and Marketing* | **$0** | **$0** | **$8,962** | **$0** |
| ***SBA Total*** | **$0** | **$0** | **$8,962** | **$0** |

**FY 2019 Proposal Funding Requested by Source, continued**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***School of Engineering and Computer Science*** | **Federal** | **State/Local** | **Corporate** | **Public/**  **Nonprofit** |
| *Computer Science and Engineering* | 8,717,634 | 88,735 | 0 | 1,070,220 |
| *Electrical and Computer Engineering* | 2,754,850 | 0 | 663,450 | 253,808 |
| *Industrial and Systems Engineering* | 1,680,501 | 0 | 150,000 | 0 |
| *Mechanical Engineering* | 4,111,796 | 0 | 40,000 | 0 |
| ***SECS Total*** | **$17,264,781** | **$88,735** | **$853,450** | **$1,324,028** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| School of Education and Human Services | Federal | State/Local | Corporate | Public/  Nonprofit |
| Human Development and Child Studies | 1,399,999 | 139,515 | 0 | 0 |
| Organizational Leadership | 14,000 | 0 | 0 | 53,630 |
| Reading and Language Arts | 202,757 | 0 | 0 | 12,399 |
| Teacher Development and Educ Studies | 0 | 0 | 0 | 94,926 |
| **SEHS Total** | **$1,616,756** | **$139,515** | **$0** | **$160,955** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| School of Health Sciences | Federal | State/Local | Corporate | Public/  Nonprofit |
| Human Movement Science | 0 | 0 | 20,001 | 388,985 |
| Interdisciplinary Health Sciences | 4,837,341 | 7,000 | 0 | 1,464,932 |
| Public and Environmental Wellness | 1,163,533 | 0 | 0 | 0 |
| **SHS Total** | **$6,000,874** | **$7,000** | **$20,001** | **$1,853,917** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| School of Medicine | Federal | State/Local | Corporate | Public/  Nonprofit |
| **SOM Total** | **$414,693** | **$0** | **$0** | **$9,500** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| School of Nursing | Federal | State/Local | Corporate | Public/  Nonprofit |
| **SON Total** | **$4,144,992** | **$12,121** | **$0** | **$152,023** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Other*** | **Federal** | **State/Local** | **Corporate** | **Public/**  **Nonprofit** |
| *Academic Affairs* | 32,612 | 0 | 0 | 0 |
| *Center for Multicultural Initiatives* | 0 | 100,483 | 0 | 0 |
| *Diversity, Equity and Inclusion* | 0 | 31,655 | 0 | 0 |
| *Facilities Management* | 0 | 730,125 | 0 | 0 |
| *Library* | 9,943 |  | 0 | 0 |
| *Pre-College Programs* | 0 | 305,636 | 0 | 0 |
| *Research Office* | 94,117 | 0 | 0 | 0 |
| ***Other Total*** | **$136,672** | **$1,167,899** | **$0** | **$0** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Oakland University Total*** | **Federal** | **State/Local** | **Corporate** | **Public/**  **Nonprofit** |
| ***Grand Total*** | **$60,324,393** | **$1,444,770** | **$882,413** | **$8,334,580** |

**Research, Innovation, and Engagement Town Hall - 2018 Winners**

**Frank Giblin Lifetime Achievement Award**

Dr. Yang Xia

Department of Physics, CAS

**Researcher of the Year**

Dr. Randal J. Westrick

Department of Biological Sciences, CAS

**Most Research Active**

Dr. Zissimos P. Mourelatos

Department of Mechanical Engineering, SECS

**Most Active Grant Seeker**

Dr. Xiangqun Zeng

Department of Chemistry, CAS

**Most Active Grant Seeker (Honorable Mention)**

Dr. Colin Wu

Department of Chemistry, CAS

**Outstanding Research Department**

Biological Sciences, CAS

**Outstanding Junior Investigator**

Dr. Laurel Dolin Stevenson

Department of Interdisciplinary Health Sciences, SHS

**PI Academy for Research and Engagement, Class of 2019**

**Sharon Berry**, Philosophy, CAS

**Elise Brown**, Public and Environmental Wellness, SHS

**Jingshu Chen**, Computer Science and Engineering, SECS

**Ilias Cholis**, Physics, CAS

**Felicia Chong**, Writing and Rhetoric, CAS

**Christopher Cooley**, Mechanical Engineering, SECS

**Erin Dwyer**, History, CAS

**Jickssa Gemechu**, Biomedical Sciences, OUWB

**Michelle Hammond**, Management and Marketing, SBA

**Mary Jamieson**, Biological Sciences, CAS

**T.J. Jourian**, Organizational Leadership, SEHS

**Brendan Kredell**, Cinema Studies, CAS

**Anyi Liu**, Computer Science and Engineering, SECS

**Matthew May**, Sociology, CAS

**Hua Ming**, Computer Science and Engineering, SECS

**Atiqul Mollah**, Computer Science and Engineering, SECS

**Kristen Munyan**, Nursing, SON

**Sang Hoon Rhee**, Biological Sciences, CAS

**Ed Rohn**, Interdisciplinary Health Sciences, SHS

**Kate Rougeau**, Public and Environmental Wellness, SHS

**Julian Rrushi**, Computer Science and Engineering, SECS

**Amartya Sen**, Computer Science and Engineering, SECS

**Missie Smith**, Industrial and Systems Engineering, SECS

**Ahmad Sobhani**, Decision and Information Sciences, SBA

**Sam Srauy**, Communication and Journalism, CAS

**Greg Thrasher**, Management and Marketing, SBA

**Christopher Wilson**, Human Movement Science, SHS

**Douglas Zytko**, Computer Science and Engineering, SECS

**Research Office**

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(248) 370-2762 | oakland.edu/research