

Agendum
Oakland University
Board of Trustees Formal Session
October 14, 2019

ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY
FOR THE PERIOD OF JULY 1 – AUGUST 31, 2019
A Recommendation

1. **Division and Department:** Academic Affairs/Research Office
2. **Introduction:** Oakland University contributes to our national agenda as a contributor to the nation's scientific and technological progress, both through the generation of new knowledge and ideas and the education and training of its students. Grants and contracts awarded to Oakland University play a critical role in the advancement of new research findings, and current research trends gives emphasis to inter-disciplinary, technology-driven, and product-oriented team efforts.

The Board of Trustees (Board) has authorized the President, or his or her designee, to receive and acknowledge grants and contracts to the University, but such grants and contracts must be reported to the Board not less often than quarterly for acceptance on behalf of the University.


At this time, we request that the Board accept the grants and contracts reported on the attached Grants and Contracts Report, Attachment A, for the period of July 1 – August 31, 2019.

3. **Previous Board Action:** The Board accepts grants and contracts to Oakland University on a regular basis at its Formal Sessions.
4. **Budget Implications:** Grants and contracts contribute to the University through the recovery of direct and indirect expense incurred in support of research projects.
5. **Educational Implications:** Grants and contracts enhance the training and education of students.

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6. **Personnel Implications:** Grants and contracts awards may provide salary support for faculty, post-doctoral fellows, undergraduate and graduate students, technicians, lab managers, and other personnel, as required by the funded research project or program.
7. **University Reviews/Approvals:** All grants and contracts are reviewed by the Research Office prior to submission to the Board to ensure compliance with federal and state laws and regulations and University policies and procedures, when applicable, and with assistance from the Office of Legal Affairs when requested.
8. **Recommendation:** RESOLVED, that the Board of Trustees accept grants and contracts to Oakland University identified in the attached Grants and Contracts Report, Attachment A, for the period of July 1 – August 31, 2019.
9. **Attachments:** A. Grants and Contracts Report.

Submitted to the President
on 10/02, 2019 by



James P. Lentini, D.M.A.
Senior Vice President for
Academic Affairs and Provost

Recommended on 10/3, 2019
to the Board for approval by



Ora Hirsch Pescovitz, M.D.
President

Grants and Contracts Report for Period July 1 - August 30, 2019

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Zijuan Liu Department of Biological Sciences	National Institutes of Health	Role of ZIP8 in Regulation of Liver Methionine Metabolism. The goal of this research is to obtain results that will furnish mechanistic insights into how ZIP8 deficiency leads to metabolic disorders.	\$ 150,000	\$ 150,000
Colin Wu Department of Chemistry	American Heart Association	Evaluation of Cardiovascular Risk of BRCA1 Mutation Carriers. This research will test small-scale biochemical binding and cell-based assays and measure the extent of DNA damage in human cardiomyocytes.	\$ 77,000	\$ 154,000
Lawrence Herriman Macomb OU INC	Michigan Education Development Corporation	MSF 2015 Business Incubators. This funding will be used to cover a portion of the cost to hire a SmartZone Program Administrator and Early Stage Business Commercialization Strategist.	\$ 147,995	\$ 442,537
Huirong Fu Department of Computer Science and Engineering	National Science Foundation	REU Site: Undergraduate Computer Research (UnCore) in Cyber Security. The primary objective of this REU Site is to continue to engage ten undergraduate students, particularly women and under represented minorities, in an annual ten-week summer research experience.	\$ 20,000	\$ 380,000
Jia Li Department of Electrical and Computer Engineering	Air Force Office of Scientific Research	Dynamic Data Driven Multistatic EO/RF Sensor Fusion. This project will address the problem of information fusion when using multiple, spatially distributed EO and RF sensors for automatic target recognition and tracking.	\$ 69,149	\$ 207,504

Grants and Contracts Report for Period July 1 - August 30, 2019

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Sergey Golovashchenko Department of Mechanical Engineering	United States Council for Automotive Research, LLC	U-Bend Testing for Phase 3 of USCAR AI Die Wear Project-DOE. The objective of this research is to develop methodology of measuring surface defects on U-bent coupons, inserts of U-bending tool and hole punching inserts.	\$ 5,391	\$ 85,477
Thomas Raffel Department of Biological Sciences	National Science Foundation	A Metabolic Theory Approach to the Thermal Biology of Parasitism. The objective of this research is to test metabolic theory based models for parasite and host responses to temperature.	\$ 503,970	\$ 964,898
Jessica Korneder Department of Human Development and Child Studies	Macomb Intermediate School District	MISD School-Based ABA Services. The purpose of this pilot project is to provide evidence-based behavior assessment and treatment for children, adolescents, and adults receiving services through the Macomb Intermediate School District.	\$ 6,090	\$ 73,436
Luis Villa Diaz Department of Biological Sciences	National Science Foundation	MRI: Acquisition of a Flow Cytometer Cell Sorter for Multidisciplinary Studies at Oakland University. This funding will be used for the acquisition of a multi-color laser flow cytometer with 4-way cell sorter capabilities to support and enhance multidisciplinary research and education programs in the departments of Biological Sciences, Chemistry and the Eye Research Institute.	\$ 445,521	\$ 445,521

Grants and Contracts Report for Period July 1 - August 30, 2019

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Jason Wasserman School of Medicine	Gold Foundation	Humanism in Health and Healthcare: Development of a Free, For-Credit, Internationally Available Course on Humanism Delivered on the NextGenU Platform. This course will fill a need for high quality education in the humanistic aspects of health and healthcare on an international level.	\$ 3,500	\$ 3,500
Bradley Roth Department of Physics	Henry Ford Health System	Graduate Student Support for Medical Physics Research at Henry Ford Hospital. This funding will support Oakland University graduate students in order to perform cutting-edge biomedical research.	\$ 15,000	\$ 15,000
Wei Zhang Department of Physics	National Science Foundation	Tailoring Terahertz Emissions in Ultrafast multi-functional Devices. The goal of this project is to develop experimental proofs of the ultrafast, giant Rashba effect in perovskite materials, and the realization of an efficient spin-charge conversion at THz frequencies.	\$ 194,064	\$ 194,064
Total			<u>\$ 1,637,680</u>	<u>\$ 3,115,937</u>