

Agendum
Oakland University
Board of Trustees Formal Session
April 6, 2020

**ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY
FOR THE PERIOD OF JANUARY 1 – FEBRUARY 29, 2020**
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 January 1 – February 29, 2020.

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.
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.

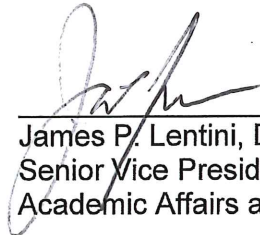
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7. **University Reviews/Approvals:** All grants and contracts are reviewed by the Research Office prior to submission to the Board to ensure compliance with federal and state laws and regulations and University policies and procedures, when applicable, 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 January 1 – February 29, 2020.

9. **Attachments:** A. Grants and Contracts Report.

Submitted to the President
on _____, 2020 by


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

Recommended on _____, 2020
to the Board for approval by



Ora Hirsch Pescovitz, M.D.
President

Grants and Contracts Report for Period January 1 - February 29, 2020

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
KaC Cheok Department of Electrical and Computer Engineering	SL Corporation/ NSF	LED Matrix Panel Color Calibration. The goal of this project will describe the theoretical basis and procedural steps for correcting the RGB currents of an LED so that it produces colors that are consistent with the desired gamut.	\$ 89,959	\$ 89,959
Florence Dallo Department of Public and Environmental Wellness	US Department of Labor	OSHA Med Rotation. This funding will be used as a scholarship for a student participating in the Department of Labor's Office of Occupational Medicine and Nursing Program.	\$ 3,200	\$ 3,200
Daniel Aloï Department of Electrical & Computer Engineering	General Motors Corporation	RF Channel Modeling and Antenna Optimization. This funding will be used for student researchers involved in the Antenna Optimization project that plan to travel.	\$ 4,000	\$ 4,000
Jessica Korneder Department of Human Development and Child Study	Macomb Intermediate School District	Macomb Intermediate School District--Pilot Project: School-Based Analytic Services. The purpose of this project is to provide evidence-based behavior assessment and treatment for children, adolescents, and adults receiving services through the Macomb Intermediate School District.	\$ 14,200	\$ 14,200
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 to perform cutting-edge biomedical research.	\$ 8,055	\$ 23,055

Grants and Contracts Report for Period January 1 - February 29, 2020

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
<p>Wei Zhang Department of Physics</p>	<p>National Science Foundation</p>	<p>CAREER: Quantum Spintronic Device Building Blocks with Magnetically Ordered Materials. This research will explore how natural and artificial solid-state orders, as well as quantum-mechanical couplings in condensed matter systems, can affect spintronic properties. We will also study how they can be effectively controlled to enhance future device performance.</p>	<p>\$ 388,707</p>	<p>\$ 500,000</p>
<p>Adam Avery Department of Chemistry</p>	<p>National Institutes of Health</p>	<p>Molecular and Cellular Mechanisms of Spinocerebellar Ataxia Type 5. The goal of this research is to understand the mechanisms by which the spectrin cytoskeleton supports dendritic arbor structure and function.</p>	<p>\$ 398,006</p>	<p>\$ 398,006</p>
<p>Michael Long Research Office</p>	<p>United States Department of Commerce</p>	<p>The City of Pontiac Small Business Support Center Feasibility Study. The goal of this Economic Adjustment Assistance project is to define the scope of services and space requirements needed to establish a Small Business Support Center (SBSC) in Pontiac, Michigan.</p>	<p>\$ 117,704</p>	<p>\$ 117,704</p>
<p>Huirong Fu Department of Computer Science and Engineering</p>	<p>National Security Administration</p>	<p>GenCyber Oakland University. The purpose of this Grant is to stimulate and/or support a public purpose.</p>	<p>\$ 99,992</p>	<p>\$ 99,992</p>

Grants and Contracts Report for Period January 1 - February 29, 2020

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Zissimos Mourelatos Department of Mechanical Engineering	MBM Prenscia	Development of a Physics-based Model for Deformation Analysis of Lock Gates. The goal of this project is to develop an accurate prediction tool for the strain/stress field at predetermined locations on the gate.	\$ 18,800	\$ 18,800
Tanya Christ Department of Reading and Language Arts	SUNY / Spencer Foundation	Reading and (Re)writing the World: Exploring Critical Pedagogy of Place in Early Science and Literacy. This project aims to design critical pedagogy of place (CPP) to improve literacy and science learning of young children in underserved urban schools though scientific inquiry for topics relevant to their neighborhoods and communities.	\$ 10,324	\$ 10,324
Robert Swor Oakland University William Beaumont School of Medicine	American Heart Association / University of Michigan	Michigan Resuscitation Innovation and Science Enterprise. This initiative will support a collaboration of basic, clinical and population researchers from different disciplines whose collective efforts will lead to new approaches to study arrhythmias and sudden cardiac death.	\$ 164,531	\$ 164,531
Domenic Luongo Department of Environmental Health and Safety	Pacific Northwest National Laboratory	Office of Radiological Security Program (ORS): Security Enhancements at Oakland University. This project will upgrade the security for the irradiator suite and the pump house at Oakland University, essential for ongoing faculty research.	\$ 28,695	\$ 174,430
Total			\$ 1,346,173	\$ 1,618,201