

**Agendum
Oakland University
Board of Trustees Formal Session
February 15, 2021**

**ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY
FOR THE PERIOD OF NOVEMBER 1 – DECEMBER 31, 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 November 1 – December 31, 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.

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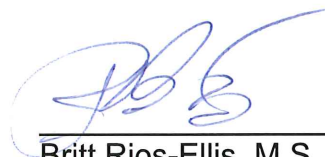
6. **Personnel Implications:** Grants and contracts awards may provide salary support for faculty, post-doctoral fellows, undergraduate and graduate students, technicians, lab managers, and other personnel, as required by the funded research project or program.

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 November 1 – December 31, 2020.

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

Submitted to the Provost
on 2/11, 2021 by



Britt Rios-Ellis, M.S., Ph.D.
Executive Vice President for
Academic Affairs and Provost

Recommended on 2-12, 2021
to the Board for approval by



Ora Hirsch Pescovitz, M.D.
President

Grants and Contracts Report for Period November 1 - December 31, 2020

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Gopalan Srinivasan Department of Physics	United States Air Force	Electric Field Control of Magnetism in Ferrites for Sub-THz Electronics. The goal of this research on electric field control of magnetic properties is aimed at miniaturization of self-biased ferrite devices for possible integration with semiconductor devices.	\$ 140,000	\$ 423,798
Krzysztof Kobus Department of Mechanical Engineering	State of Michigan Department of Labor and Economic Opportunity	MICUP - Michigan College/University Partnership Program 2020-2021. This funding will assist with a partnership beginning with Macomb Community College and Oakland Community College, and building on the M2O and O2O programs to create a service avenue for students interested in the high-tech field with a focus on bioengineering, renewable energy and mechatronics. The partnership will include student services to help them persist in the program from the community college to Oakland University.	\$ 88,735	\$ 88,735
Omar Brown-EI Center for Multicultural Initiatives	State of Michigan Department of Labor and Economic Opportunity	FY 2021 - 4S - Select Student Support Services. Collectively Oakland Retains Everyone (CORE) Program 4-S King Chavez Parks is a program that pairs underrepresented students with lower grade point averages and/or lower SAT with resources that focus on their specific needs. Students in the target population are required to attend a week-long summer enrichment program.	\$ 100,483	\$ 100,483
Ramona Borowicz Lowry Center	Michigan Department of Education/USED	MDE Child Care Relief Funds. This funding is for child care relief support for the Lowry Center Early Childhood Education.	\$ 85,800	\$ 85,800

Grants and Contracts Report for Period November 1 - December 31, 2020

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Stephen Kent Smart Zone Business OU Incubator	Grand Valley State University/MEDC	Business Accelerator Fund-Client Engagement, Afreecar. The objective of this project is to make accelerator services available statewide, make services available to high priority companies in regions, share accelerator best practices statewide, build lasting collaborations, and create jobs to catalyze multiplier effect.	\$ 6,021	\$ 6,021
Sayed Nassar Department of Mechanical Engineering	National Center for Manufacturing Sciences	Adhesive Performance Improvements for Light Weighting Initiatives. The research team will address the needs of the Army by developing a standard guide for understanding adhesive performance across the multitude of possible substrates.	\$ 990,000	\$ 990,000
Florence Dallo Department of Public and Environmental Wellness	Arab Community Center for Economic and Social Services/ Department of Treasury	The Prevalence and Correlates of COVID-19 Cases and Deaths among Arab Americans in Michigan. This initiative will focus on the impact and management of COVID-19 in the Middle Eastern and North African (MENA) community in Michigan.	\$ 11,400	\$ 11,400
Thomas Bianchette Department of Chemistry	Florida Agricultural and Mechanical University/NSF	Multi-Proxy Approach to Characterizing Hurricane Induced Deposits in Coastal and Inland Environments. The objective of this project is to assess key coastal and terrestrial environments along the path of a recent hurricane, Hurricane Maria in 2017, and to identify and characterize its coastal storm surge and inland river flood deposits.	\$ 18,177	\$ 18,177
John Beaghan Department of Finance and Administration	Oakland County/ United States Treasury	Oakland County Coronavirus Relief Funds. Oakland University received government funding as part of the CARES Act to cover institutional expenses resulting from the Coronavirus pandemic.	\$ 500,000	\$ 500,000

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Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Jillian Gust Meadow Brook Estate	Oakland County/ United States Treasury	Meadowbrook CARES Oakland County. Meadow Brook Estate received government funding as part of the CARES Act to cover expenses resulting from the Coronavirus pandemic.	\$ 50,000	\$ 50,000
Dale Telgenhoff Department of Clinical and Diagnostic Sciences	American Society for Clinical Laboratory Science	Hyperglycemic Glycosylation of Proteins in Cholesterol Signaling. The purpose of this study is to investigate the effects of high glucose levels on the inactivation of proteins in a number of important cholesterol signaling pathways, and how elevated glucose combined with statin therapy may inhibit wound healing. This research will help us understand why some diabetics develop non-healing wounds.	\$ 4,884	\$ 4,884
Luca Cucullo Oakland University William Beaumont School of Medicine	Texas Tech University/NIH	Repurposing Metformin to Offset Stroke Risk and Injury in Comorbid Populations of Smokers. Among the goals of this research, we will unravel the molecular target through which Metformin can positively impact the blood-brain barrier and reduce the burden of stroke and cerebrovascular impairments in chronic smokers and vapors.	\$ 297,973	\$ 1,469,735
Total Awards			\$ 2,293,473	\$ 3,749,033