

Agendum  
Oakland University  
Board of Trustees Formal Session  
February 6, 2023

**ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY**  
**FOR THE PERIOD OF NOVEMBER 1 - DECEMBER 31, 2022**  
**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 through December 31, 2022.

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.
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.

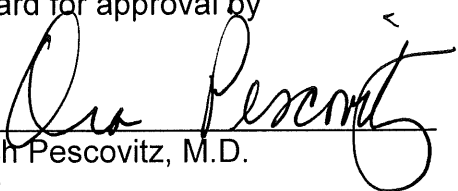
Acceptance of Grants and Contracts to  
Oakland University for the Period of  
November 1 - December 31, 2022  
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8. **Recommendation:** RESOLVED, that the Board of Trustees accept grants and contracts to Oakland University identified in the attached Grants and Contracts Report, Attachment A, for the period of November 1 – December 31, 2022.
9. **Attachments:** A. Grants and Contracts Report.

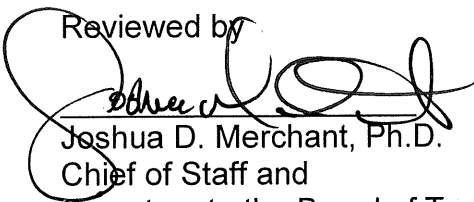
Submitted to the President  
on 1/31, 2023 by

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

Recommended on 2/1, 2023  
to the Board for approval by

  
Ora Hirsch Pescovitz, M.D.  
President

Reviewed by

  
Joshua D. Merchant, Ph.D.  
Chief of Staff and  
Secretary to the Board of Trustees

## ATTACHMENT A

### Grants and Contracts Report for Period November 1 - December 31, 2022

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
<b>Katie Greer</b> Library	Purdue University	<b>Librarians on the Front Lines: Countering Conspiracy Theories Together.</b> This project will define the gaps in information literacy praxis discovered through our research and use that data to expand on the current information and metaliteracy frameworks to help combat and prevent conspiracism.	\$4,000	\$4,000
<b>Deborah Doherty</b> Department of Human Movement Science	International Organization for Health, Sports, and Kinesiology	<b>Student Project for Mariah Gleeson.</b> This funding will be used to promote and support the development of future researchers in the field of health, sports, and kinesiology.	\$1,000	\$1,000
<b>Deborah Doherty</b> Department of Human Movement Science	American Physical Therapy Association of Michigan (APTA MI)	<b>High-Velocity Resistance Training Intervention in Chemotherapy-Induced Peripheral Neuropathy.</b> This funding will be used to promote and support the development of APTA MI researchers in the field of health, sports, and kinesiology.	\$1,000	\$1,000

**Grants and Contracts Report for Period November 1 - December 31, 2022**

<b>Principal Investigator</b>	<b>Awarding Agency</b>	<b>Title and Project Abstract</b>	<b>Award Amount</b>	<b>Total Award All Years</b>
<b>Laurel Stevenson</b> Department of Interdisciplinary Health Sciences	Oakland County Health Division / United States Department of Agriculture	<b>Prescription for a Healthy Oakland.</b> This is a collaborative project between Oakland University, Oakland County Health Division, Honor Community Health, and numerous other clinical and community partners. The purpose of this project is to grow and expand the reach of this produce prescription program to the southeast area of Oakland County, where high levels of food and nutritional insecurity exist.	\$238,340	\$238,340
<b>Ziming Yang</b> Department of Chemistry	The Kavli Foundation	<b>Methylated Organometallic Gases as Potential Biosignatures.</b> The goal of this project is to bring together scientists from multiple disciplines to collaborate on new and innovative projects to advance the understanding of exoplanet habitability, the origins of life, and its signatures in the universe.	\$55,000	\$55,000
<b>Xiangqun Zeng</b> Department of Chemistry	National Institutes of Health	<b>Real-Time Monitoring and Scavenging of Reactive Oxygen Species (ROS) to Enhance Cochlear Implant.</b> This is a multidisciplinary project for developing paradigm-shifting technology for real-time monitoring and scavenging reactive oxygen species for peri-operative cochlear implantation towards enhancement of post-operative outcomes in cochlear implantees.	\$170,516	\$419,965

**Grants and Contracts Report for Period November 1 - December 31, 2022**

<b>Principal Investigator</b>	<b>Awarding Agency</b>	<b>Title and Project Abstract</b>	<b>Award Amount</b>	<b>Total Award All Years</b>
<b>Sayed Nassar</b> Department of Mechanical Engineering	Georgia Tech Research Corporation	<b>Industry-University Cooperative Research Center (IUCRC) Program.</b> The IUCRC program generates breakthrough research by enabling close and sustained engagement between industry innovators, world-class academic teams and government agencies.	\$112,000	\$112,000
<b>Jun Chen</b> Department of Electrical and Computer Engineering	National Science Foundation	<b>CAREER: Reconfigurable and Predictive Control with Reinforcement Learning Supervisor for Active Battery Cell Balancing.</b> This project will develop a comprehensive and unifying predictive control framework and corresponding novel methodologies for active battery cell balancing control, especially for batteries with a large number of cells.	\$400,000	\$500,000
<b>Mark Manning</b> Department of Psychology	National Institutes of Health	<b>Colorectal Screening Fear-reduction and Racially-targeted Norm Messaging Entreaties to Increase Colorectal Cancer Screening Rates among African Americans.</b> This study directly addresses documented colorectal cancer (CRC) screening deficits among an underserved population, and is innovative given its design of a theory-based and literature informed intervention to address previously unaddressed barriers to CRC screening among AfAms.	\$148,745	\$396,351

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<b>Deidre Hurse</b> School of Medicine	Michigan Health Endowment Fund	<b>Clinician and Community Interventions to Address Syphilis: An Inequitable Driver of Infant Mortality.</b> The goal of this project is to host community-informed prevention interventions that increases awareness about risks, testing, and treatment aimed at both providers and those at risk will help mitigate the health-harming impacts of syphilis and aid in reducing new infections.	\$146,064	\$146,064
<b>Michael Kranak</b> Department of Human Development and Child Study	Hazel Park Schools	<b>Mi-GUIDES: Michigan Groups United to Inspire, Drive, and Educate Students.</b> Hazel Park School District (HPSD) has several students and classrooms in need of more intensive and specialized behavioral interventions. We will provide behavioral assessments and support for students and educators in HPSD. They will also supervise a team of two graduate OU students to support this project.	\$75,428	\$75,428
<b>Kristen Rohrbeck</b> Department of Human Development and Child Study	United Way for Southeastern Michigan	<b>Oakland University Center for Autism Out of School Services Expansion.</b> The goal of this program is that the youth participants with Autism Spectrum Disorder will have increased social skills, improved communication, and enhanced independence skills.	\$385,000	\$385,000

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<b>Amber Bismack</b> Department of Teacher Development and Educational Studies	Northwestern University / OpenSciEd	<b>OpenSciEd Elementary Developers Consortium: Supporting Meaningful Three-Dimensional Science and Literacy for K-5 Classrooms.</b> This project for the OpenSciEd Elementary Developers Consortium is created to develop K-5 open-access elementary science curriculum materials that integrate literacy and mathematics.	\$30,238	\$108,877
<b>Total Awards</b>			<b>\$1,767,331</b>	<b>\$2,443,025</b>