

**Agendum
Oakland University
Board of Trustees Formal Session
February 13, 2026**

**ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY
FOR THE PERIOD OF SEPTEMBER 1 – DECEMBER 31, 2025**
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 give emphasis to interdisciplinary, 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 September 1 to December 31, 2025

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 expenses 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 September 1 to December 31, 2025.

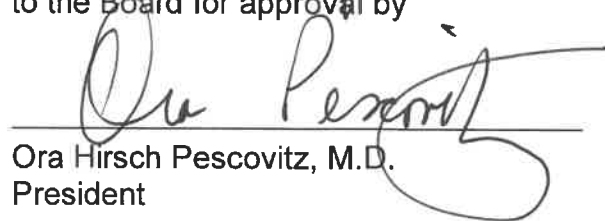
9. **Attachments:** A. Grants and Contracts Report.

Submitted to the President
on January 27, 2026 by



Amy Thompson, Ph.D., FESG, CHES
Executive Vice President for
Academic Affairs and Provost

Recommended on 1/27, 2026
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

Grants and Contracts Report for Period: Sept 1 - December 31, 2025

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Mary Lewis Department of Psychology	Alliance of Coalitions for Healthy Communities	Social Norms Intervention Assessment The purpose of the study is to assess the effectiveness of a social norms intervention to reduce drinking, drug use, and vaping.	\$11,451	\$26,221
David Stone The Research Office	University of Michigan	T3N Shared Services, Oakland University - SUBK00025008 These are funds for "Technology Valuation & Market Assessment" services for the assessment of the OU invention disclosure, "Method and System for Fault Diagnosis in Hydraulic Systems" to help determine the appropriate patent protection.	\$900	\$900
Christopher Cooley Department of Mechanical Engineering	Army Research Laboratory	Damage-Induced Nonlinear Dynamics of Rotorcraft Planetary Gears This proposal aims to create a new predictive analytical framework for nonlinear dynamics in planetary gears with tooth root crack and surface pit damage.	\$74,400	\$54,000
Shweta Kapur Department of Human Movement Science	APTA Michigan Institute for Education and Research	Using nationally representative data to create a population-based framework for continuum of care for balance problems The grant will use representative data to create a framework for continuum of care for balance problems.	\$1,000	\$1,000
Amy Siebert-McKenzie Department of Biological Sciences	National Institutes of Health	Pre-mRNA Processing and Function of Alternatively Spliced Isoforms of TFP1 The long-term objective of this proposal is to differentiate the physiological, site-specific production of each TFP1 isoform at a molecular level and define their anticoagulant function in embryonic development and disease.	\$249,000	\$497,954

Grants and Contracts Report for Period: Sept 1 - December 31, 2025

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Michael Kranak Department of Human Development & Child Studies	Auburn University (National Institutes of Health)	Optimizing Dimensions of Reinforcement to Enhance Behavioral Interventions This project will, in conjunction with Auburn University, use reinforcers to identify more effective and durable behavioral treatments.	\$89,923	\$177,111
Shailesh Lal Department of Biological Sciences	National Institutes of Health	The Characterization of RNA Binding Motif Protein 48 (RBM48) in U12 Intron Splicing, Cellular Differentiation, and Development In this study, the long-term goal is to enhance our understanding of how U12 splicing regulates cellular differentiation, which will enable us to identify new drug targets and lead to robust treatment strategies for patients suffering from a growing number of diseases attributed to aberrant splicing of U12 introns.	\$562,500	\$562,500
David Stone The Research Office	University of Michigan	T3N Shared Services, Oakland University - SUBK00025007 These are funds for "Technology Valuation & Market Assessment" services for assessment of the OU invention disclosure " to investigate market potential and barriers to marker enter for both the primary and secondary applications of novel magnetic field detectors.	\$900	\$900
Ziming Yang Department of Chemistry	University of Maryland (National Aeronautics and Space Administration)	Fate of subsurface ocean solutes during ejection into vacuum The implementation of this project will allow us to better understand the fate of subsurface ocean solutes during plume ejection in icy ocean worlds by investigating the effect of a direct transition from liquid to vacuum environments.	\$69,606	\$208,862

Grants and Contracts Report for Period: Sept 1 - December 31, 2025

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Lisa Hawley Department of Counseling	National Institutes of Health	Oakland University Early Alert and Suicide Assessment Education Program The purpose of this grant is to increase the number of highly trained students in Counseling and Social Work and to develop educational delivery methods that adapt to the changing needs of emerging adults.	\$90,862	\$303,983
Melissa Jones Department of Human Movement Science	University of Iowa (National Institutes of Health)	Sedentary Behavior, Physical Activity, and 24-Hour Behavior in Pregnancy and Offspring The PI will participate in data acquisition and assist with protocol development for offspring cardiovascular assessments using procedures developed while the team was working together at the University of Iowa.	\$26,810	\$153,107
Kaigi Zhao Department of Computer Science & Engineering	Provisio	HearMe Speech Recognition Project This project aims to develop an AI-powered web application that helps individuals with disordered speech—such as those with cerebral palsy or Down syndrome—communicate more effectively.	\$29,801	\$29,801
Neil Baumgartner Academic Affairs	Michigan College Access Network	Gateway Course Redesign Faculty Academy Grant Agreement This project with support institutions participating in the Faculty Academy and to help offset the time and effort required to implement course redesign strategies.	\$10,000	\$10,000
Tracey Chan School of Nursing	Gerontological Advanced Practice Nurses Association	Evaluating student's perception of palliative care competency The purpose of this grant is to utilized the MyndCare platform to educate NP students on how to care for and communicate with a patient with dementia abd also explore the use of virtual technology as a teaching method.	\$4,644	\$4,644

Grants and Contracts Report for Period: Sept 1 - December 31, 2025

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Amany Tawfik Eye Research Institute	University of Tabuk (Hevolution Foundation)	Unlocking the Link: Nutritional Deficiency and Blood Barrier Dysfunction in Aging Eye and Brain, Unveiling the Role of TRP Channels, Ca+2 Influx, and Stress Pathways This project will give a clear picture of the mechanisms implicated in vitamin B12 deficiency and subsequent hyperhomocysteinemia (HHcy)-induced dysfunction of the blood-brain barrier (BBB) and blood-retinal barrier (BRB).	\$53,000	\$53,000
David Stone The Research Office	University of Michigan	T3N Shared Services, Oakland University - SUBK00025657 These are funds for "Technology Valuation & Market Assessment" services for assessment of the OU invention disclosure, "From Telemetry to Strategy: Embedding BMS Physics into LLM-Orchestrated, Secure Multi-UAV Autonomy" to help determine the appropriate patent protection.	\$900	\$900
Vijayan Sugumaran Department of Decision & Information Science	International Atomic Energy Agency	Assessment Reports from the EENS System This project involves developing computational tools and methodologies for analyzing the spatial and temporal occurrence of hazard events worldwide using the External Events Notification System dataset.	\$25,000	\$25,000
Paul (Athanas) Fontaine The Research Office	Detroit Land Bank Authority	Rehabbed and Ready - Contract with DLBA This project involved documenting the evolution of Detroit's Rehabbed and Ready project, in order to assess the scalability of the project in other neighborhoods and cities.	\$9,500	\$9,500
Maria Beam Department of Sociology, Anthropology, Social Work and Criminal Justice	University of Michigan (Department of Health and Human Services)	MSW Student Additional Support Title IVE This is additional support to support MSW students after the initial portion.	\$57,000	\$57,000

Grants and Contracts Report for Period: Sept 1 - December 31, 2025

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Olga Ehrlich School of Nursing	LMAS District Health Department (Michigan Health Endowment Fund)	Primary Palliative Care Capacity Community Health Initiative to Improve Serious Illness Outcomes (PPCC- UP Luce) The significance of this project is to reduce inequities in access to and availability of palliative care services for rural Michiganders by using a community-engaged approach, to build local primary palliative care (PPC) capacity and meet the healthcare needs of persons with serious illness.	\$108,809	\$200,000
Yongsoon Yoon Department of Mechanical Engineering	National Fluid Power Association	NFPA University Project - Hydraulic Systems This project aims to address challenges with pump- controlled hydraulic systems by developing an energy- efficient, lab-scaled electrified excavator, with a main focus on hardware design and build. The system will integrate a pump-valve composite control mechanism.	\$20,000	\$20,000

Total	\$1,496,006	\$2,396,383
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