Agendum
Oakland University
Board of Trustees Formal Session
June 26, 2026

ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY FOR THE PERIOD OF MARCH 1 - APRIL 30, 2026

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 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 March 1 – April 30, 2026.

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.

6. **Personnel Implications:** Grants and contract 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 March 1 – April 30, 2026.

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

Submitted to the President
on 6/8, 2026 by

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

Recommended on 6/11, 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: March 1 - April 30, 2026

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Yan Li History	Association for Asian Studies	**NEAC Distinguished Speaker Bureau Grants** This grant is to pay the honorarium for a lecture on colonization and empire focusing on Japanese literature.	657	657
Rebecca Clemans Foundational Medical Studies	Michigan State University (Michigan Department of Health and Human Services)	**RC118414 MI Opiod** The main objective of the MI CARES 3.0 grant is to engage additional medical schools in providing_LCB_electives and other curricular activities through shared learning and resources.	59,956	59,956
Rebecca Boni School of Nursing	Metro Detroit Oncology Nursing Society	**Oncology Nurses' Professional Quality of Life (PQOL)** This study will : identify the level of professional quality of life (PQOL) experienced among oncology nurses; examine differences between PQOL of inpatient & outpatient oncology nurses; determine the impact of work environment, work engagement, and demographic characteristics on PQOL.	5,000	5,000
Alicia Garcia OU CARES	State Of Michigan	**Out of School Time Support and Summer Enrichment Programming** The OUCA will offer a variety of sports-based programming, social clubs, healthy living programs, in one-hour increments, serving appropriately grouped ages and will directly support expanded learning opportunities of enrichment.	58,575	58,575
Zacharias Kinney Chemistry	Michigan Space Grant Consortium (National Aeronautics and Space Administration)	**Danielle Dragoi:N-Heterocyclic Carbene Adducts as Emission Turn-On Chemical Sensors: Synthesis and Application** This project involves the use of hydrogen bonding as a medium to store active carbenes that are sensing materials for gases and alcohol containing substances.	3,986	3,986
Noel Kelty Human Development & Child Studies	Early Childhood Investment Corporation	**The State of Early Childhood in Michigan Data Profiles** The purpose of this project is to design and produce The State of Early Childhood in Michigan Data profiles, which will align with and complement existing Michigan data efforts while addressing critical gaps in accessibility, coherence, and cross-system integration.	49,999	49,999
Yang Xia Physics	Corewell Health William Beaumont University Hospital Research Institute	**Corewell Student Research Agreement** This is to pay for a Graduate Student's stipend and tuition to study Advanced Functional MRI methods.	44787*	44787*
Anna Spagnuolo Mathematics & Statistics	Children's Foundation	**Math Corps at Oakland University Program** Growing the summer camp program by increasing the number of students served per summer and also to implement Math Corps Super Saturday programming.	25,000	25,000

Grants and Contracts Report for Period: March 1 - April 30, 2026

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Tomoko Wakabayashi Human Development & Child Studies	Michigan Association of Intermediate School Administrators	**Evaluation of the Coaching Practices for Early Literacy Training II** The Coaching Institute Evaluation Study II will evaluate the second round of the Coaching Institute organized and funded by the Michigan Association for Intermediate School Administrators (MAISA) to take place in Lansing, Michigan, across three days in Spring/Summer of 2026.	21,882	21,882
Ziming Yang Chemistry	Michigan Space Grant Consortium (National Aeronautics and Space Administration)	**Megan Stull:Fate and transport of biosignature compounds in icy ocean worlds** To identify the fate and transport of biosignature compounds in icy ocean worlds.	5,000	5,000
Francisco Cepeda Alfaro Mechanical Engineering	Michigan Space Grant Consortium (National Aeronautics and Space Administration)	**System-Level Modeling and Optimization of a Closed-Loop Oxygen Recovery Cycle for Space Life Support** This project will use and modify open-source code NanoPFR to simulate chemical reactions and the solid carbon particle behavior in Sabatier and methane pyrolysis modules, allowing modular, scenario-based performance assessments.	4,000	4,000
Laila Guessous Mechanical Engineering	Michigan Space Grant Consortium (National Aeronautics and Space Administration)	**Funding for OU Representative** The admin costs for Dr. Guessous in administrating the Michigan Space Grant Awards.	1,500	1,500
Zacharias Kinney Chemistry	Michigan Space Grant Consortium (National Aeronautics and Space Administration)	**Sarah Ibrahim:Twinning with Carbene-Copper-Carbazolides: Bicarbazole-Centered Luminescent Materials** This proposal seeks to synthesize a novel series of compounds that have robust emission, with the ultimate goal of making molecules to be used in OLED displays.	3,986	3,986
Krzysztof Kobus Mechanical Engineering	Michigan Space Grant Consortium (National Aeronautics and Space Administration)	**Earth System Science STEM Camps, Outreach and Teacher Training** K-12 STEM camps, teacher training modules, Saturday workshops, and community outreach events.	15,000	15,000
Francisco Cepeda Alfaro Mechanical Engineering	Michigan Space Grant Consortium (National Aeronautics and Space Administration)	**Quantitative Mapping Of Solid Carbon Formation Under Closed-Loop Life Support And ISRU Conditions** Future spacecraft will use methane decomposition to produce hydrogen for CO2 reduction and solid carbon. This research shows how reactor conditions affect carbon properties, aiding NASA in designing better life support and recycling carbon, while supporting student training.	5,000	5,000

Grants and Contracts Report for Period: March 1 - April 30, 2026

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Lan Jiang Biological Sciences	National Institutes of Health (NIH)	**The role of Apical extracellular matrix in shaping tracheal tube development** The objective of this application is to help determine how Drosophila (fruit flies) regulate tube morphogenesis during development using CRISPR to disrupt taenidial folds . This provides a unique genetic model to investigate tube morphogenesis regulation.	573,750	573,750
Diego Salazar D'Antonio Electrical & Computer Engineering	Michigan Space Grant Consortium (National Aeronautics and Space Administration)	**Cooperative Blimp Swarms for Space-Debris Capture** Emulation Outcomes include an indoor debris-ops emulator with open-source firmware, FAIR-compliant datasets, and reproducible benchmarking protocols—enabling rapid iteration and community comparison of capture strategies. The work aligns with NASA Strategic Goal 3.1 (advance transformational space technologies).	5,000	5,000
Ankun Yang Mechanical Engineering	Michigan Space Grant Consortium (National Aeronautics and Space Administration)	**Zinc-Doped Copper Selenides for High-Rate Sodium Battery Electrodes** This project aims to develop zinc-doped copper selenide (CuZnSe) electrode materials for sodium-ion batteries.	5,000	5,000
Kaiqi Zhao Computer Science & Engineering	Michigan Space Grant Consortium (National Aeronautics and Space Administration)	**Efficient and Cooperative Onboard AI for Accurate, Robust, and Adaptive Perception in Resource-Constrained Spaceborne Exploration Systems** This project will leverage the PI's expertise in efficient AI, collaborative learning, and edge intelligence to design, implement, and evaluate next-generation onboard AI frameworks that achieve high efficiency, accuracy, robustness, and adaptability for spaceborne exploration systems.	5,000	5,000
Ryan Monroe Mechanical Engineering	National Science Foundation (NSF)	**Supplement to NSF 2347632; Engineering Research Initiation (ERI)** This REU supplement is requested to support one undergraduate student in actively participating in the NSF-funded project: "ERI: System Tautochronic Pendulum Vibration Absorbers for Next-Generation Propulsion Systems and Other Machinery".	10,000	10,000
Sarah Beetham Mechanical Engineering	Michigan Space Grant Consortium (National Aeronautics and Space Administration)	**Modeling the Transport of Primary Oceanic Plankton Species in Polar Regions** This study aims to close a gap in identifying the specific mechanisms by which glacial melt impacts phytoplankton distribution.	5,000	5,000
		Total	**$863,291**	**$863,291**