

**Agendum  
Oakland University  
Board of Trustees Formal Session  
February 22, 2016**

**ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY  
FOR THE PERIOD OF NOVEMBER-DECEMBER, 2015**  
**A Recommendation**

1. **Division and Department:** Academic Affairs/Office of Research Administration

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, 2015.

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 Office of Research Administration 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 through December 31, 2015.
9. **Attachments:** A. Grants and Contracts Report.

Submitted to the President  
on 2/12/16, 2016 by

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

Recommended on 2/15, 2016  
to the Board for approval by

  
George W. Hynd  
President

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Julie Gustafson Macomb-OU INCubator	Grand Valley State University/MEDC	<b>Business Accelerator Fund-Client Engagement: MapNTour.</b> 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 catalyze multiplier effect.	\$ 11,600	\$ 11,600
Jason Wasserman School of Medicine	Arnold P. Gold Foundation	<b>An Evening of Medical Humanism and Ethics.</b> This funding will support an event that will bring together practitioners, medical students, and medical educators for an interactive conversation surrounding death and dying.	\$ 4,000	\$ 4,000
Subramaniam Ganesan Department of Electrical and Computer Engineering	Brar Technology	<b>Accelerometer Data Collection and Analysis.</b> The objective of this project is to collect, analyze and interpret Accelerometer data with a time stamp on a micro SD memory stick.	\$ 5,027	\$ 5,027
Osamah Rawashdeh Department of Electrical and Computer Engineering	Ford Motor Company	<b>Multicore Run-Time Library Realization and Optimization for Automotive Powertrain Control.</b> The goal of this project is to develop a software middle layer that enables and simplifies running of legacy code on modern multi-core microcontrollers.	\$ 69,000	\$ 69,000
Guangzhi Qu Department of Computer Science and Engineering	Ford Motor Company	<b>Dynaknife: A Scalable Tool Suite for Dynamic Analysis and Debugging of Large Programs on Multicore.</b> The purpose of this research is to study multicore processors in mainstream computing.	\$ 80,999	\$ 80,999
Stephen Goody Meadow Brook Art Gallery	Michigan Council for Arts and Cultural Affairs	<b>Program for Operational and Project Support: Project Support FY16.</b> The Meadow Brook Art Gallery will use this funding for the production of the associated catalogues, promotional materials and art transport for two shows.	\$ 12,000	\$ 12,000



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Frank Giblin Eye Research Institute	DMC Foundation	<b>Peptide-Induced Aggregation of Lens Proteins in Nuclear Cataract.</b> The objective of this project is to investigate how proteins in the center of the lens of the eye bind together to form large aggregates, which scatter light and cause nuclear cataract, a major type of this potentially blinding eye disease.	\$ 41,220	\$ 41,220
Shravan Chintala Eye Research Institute	SUNY Downstate Medical Center/NIH	<b>tPA Mechanisms in Outflow Facility Regulation in Glaucoma.</b> This project aims to understand the pathogenetic mechanism that underlies steroid-induced IOP elevation, a condition that can lead to blindness, and which has become increasingly prevalent in recent years.	\$ 27,000	\$ 135,000
Jean Ann Miller Center for Student Activities	State of Michigan - Michigan State Police	<b>Consent is the New "Yes" Campus Sexual Assault Campaign.</b> The object of this project is to raise awareness and create dialogue around sexual assault awareness and bystander intervention. This campaign seeks to educate and empower students to not only be cognizant of their own safety, but advocate for the safety of others.	\$ 10,550	\$ 10,550
Bradley Roth Department of Physics	Beaumont Health System	<b>Physics Doctorial Student.</b> These funds will provide research training placement for an Oakland University graduate Physics student.	\$ 7,000	\$ 100,252
Andrei Slavin Department of Physics	University of Nebraska-Lincoln/Department of Commerce	<b>Center for Nanoferroic Devices.</b> Theory of dipole-exchange spin waves in ferromagnetic films with surface magnetoelectric effect will be developed.	\$ 80,000	\$ 380,000
Deborah Doherty Department of Health Sciences	Lapeer County Community Foundation	<b>Community Centered Physical and Psychoeducational Intervention to Improve Quality of Life for Cancer Survivors.</b> The purpose of this research study is to pilot a community-based educational program to provide education and resources to persons diagnosed with cancer regarding prevention and management of the adverse side effects resulting from the treatment for cancer.	\$ 5,000	\$ 5,000

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Zhang Dao Qi Eye Research Institute	National Institutes of Health	<b>Functional Organization of the Dopaminergic Network.</b> The long-term goal of the proposed study is to understand the mechanisms by which dopaminergic amacrineneurons are regulated by light.	\$ 332,389	\$ 1,817,368
Total			<u>\$ 685,785</u>	<u>\$ 2,672,016</u>