

**Agendum
Oakland University
Board of Trustees Formal Session
December 5, 2016**

**ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY
FOR THE PERIOD OF SEPTEMBER 1 - OCTOBER 31, 2016**
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 September 1 – October 31, 2016.

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.

Acceptance of Grants and Contracts to
Oakland University for the Period of
September 1 - October 31, 2016
Oakland University
Board of Trustees Formal Session
December 5, 2016
Page 2

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 September 1 – October 31, 2016.

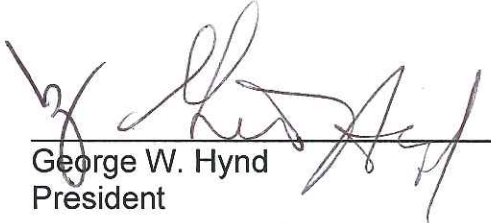
9. **Attachments:** A. Grants and Contracts Report.

Submitted to the President
on 11/29, 2016 by



James P. Lentini
Senior Vice President for
Academic Affairs and Provost

Recommended on 11/30, 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
Amy Butler OU INCubator	Community Foundation for Southeast Michigan	NEI OU INC Growth Stimulus Proposal. New Economy Initiative provided this Grant for OU INC to assist southeast Michigan tech startups and strengthen regional partnerships in MedHealth and Information Technology Sectors.	\$ 24,757	\$ 99,025
Bradley Roth Department of Physics	Henry Ford Health System	Graduate Student Support for Medical Physics Research at Henry Ford Hospital. The objective of this funding is to support Biomedical Sciences. This support allows many of our best and brightest graduate students to work in the world-class laboratory of Distinguished Professor Michael Chopp and his colleagues, many of whom are adjunct faculty in our Physics Department.	\$ 30,054	\$ 352,839
Samia Ragheb School of Medicine	American Heart Association	Immunohistochemical Analysis of Potential Biomarkers of Plaque Instability in Carotid Atherosclerosis. The long-term goal of this project is to identify a profile of immune molecules that can serve as a biomarker of carotid plaque instability, allowing physicians to prognostically assess which patients are at risk for plaque rupture and subsequent stroke.	\$ 2,000	\$ 2,000
David Szlag Department of Chemistry	Michigan Department of Environmental Quality	Practical Early Detection of Harmful Algal Blooms and Toxins Using Emerging Technologies. Many genera of cyanobacteria produce cyanotoxins, a diverse group of chemicals harmful to human health. The goal of this research is to develop a cost-effective monitoring framework which incorporates emerging technologies.	\$ 158,314	\$ 158,314
Jennifer Lucarelli School of Health Sciences	Center for Disease Control and Prevention	Health Pontiac, We Can! Eliminating Health Disparities in a Low-Income Urban Minority Community. This grant will support health-promotion activities in Pontiac, targeted towards improving minority health and reducing health disparities.	\$ 650,748	\$ 1,952,244
Erica Wallace Campus Recreation	American Cancer Society	Clean Air for the Bear. The goal of this project is the implementation of banning tobacco and non-tobacco combustibles on campus for public health benefit of campus community.	\$ 20,000	\$ 20,000

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Zissimos Mourelatos Department of Mechanical Engineering	University of Michigan/TACOM	Reliability, Maintenance and Optimal Operation of Repairable Systems with Application to a Smart Charging Microgrid with Vehicle-to-Grid Capability. This project provides added value to ongoing ARC research, ongoing TARDEC work and work at the industry partner and other industries.	\$ 75,386	\$ 366,308
Frank Giblin Eye Research Institute	National Institutes of Health	Proteins of Normal and Cataractous Lenses. The broad objective of this project is to better understand the role of oxidative stress in the development of human nuclear cataract, the most common type of lens opacity in older adults, and the type most likely to require surgery.	\$ 375,560	\$ 1,485,196
Gary Barber Department of Mechanical Engineering	Fiat Chrysler Automobiles	Durability Testing of RTV Gasket Material. The objective of this project is to test the durability of RTV gasket material under both shear and tensile loading conditions.	\$ 47,000	\$ 47,000
Total			\$ 1,383,819	\$ 4,482,926