Agendum
Oakland University
Board of Trustees Formal Session
October 24, 2016

ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY FOR THE PERIOD OF JULY 1 - AUGUST 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 July 1 – August 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.

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 July 1 – August 31, 2016.

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

Submitted to the President
on 10/19, 2016 by

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

Recommended on 10/19, 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
Reginald McCloud Pre-College Programs	Michigan Department of Labor and Economic Growth	**GEAR UP.** The GEAR UP program is designed to provide academic and social support for students currently in the eleventh grade with support continuing through their first year of college. As a result of their active participation, students will be adequately prepared for college. The program will provide an opportunity for underrepresented students to discover first hand the potential of a college education.	$ 103,462	$ 105,594
Shravan Chintala Eye Research Institute	SUNY Downstate Medical Center/NIH	**tPA Mechanisms in Outflow Facility Regulation in Glaucoma.** 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
Shailesh Lal Department of Biological Sciences	National Science Foundation	**Genetic, Molecular, and Biochemical Dissection of RNA Splicing Factors Critical for Maize Endosperm Development.** The object of this project is to understand the role of RNA splicing in maize seed development will advance fundamental molecular biology and identify pathways and proteins for future crop improvement.	$ 260,000	$ 800,000
Libon Rong Department of Mathematics and Statistics	National Science Foundation	**Virus Infection and Immune Responses: Modeling, Analysis, and Implications.** This CAREER project is an integrated research, education, and outreach program that focuses on quantitative studies of virus infections and immune responses, as well as their implications for antiviral treatment and vaccination.	$ 79,120	$ 400,600
Angela Kaiser Department of Sociology and Anthropology	Oakland Schools	**Oakland Schools Program Evaluation Early Childhood Grant.** This program is the annual recipient of a variety of grants from various agencies and non-profit entities for the provision of programming and services that support the development and academic achievement of all children from birth through eight years of age. The purpose of this funding is to examine existing data to evaluate the effectiveness of the various programs.	$ 50,000	$ 50,000

ATTACHMENT A

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Andrei Slavin Physics	TACOM / U.S. Army	**Design of Conformal Ground Vehicle Antenna Based on a Magnetic Metamaterial.** The goal of this project is to design a high-impedance magnetic metamaterial substrate, allowing to develop low-profile planar microwave antennas that can be mounted directly on highly conductive metal surfaces of ground vehicles and/or aircraft.	$ 30,000	$ 30,000
Rebecca Cheezum School of Health Sciences	Oakland Schools	**Project AWARE Focus Groups.** Oakland University will assist Oakland County Schools with conducting focus groups, analyze all data, and provide a report of the results.	$ 6,800	$ 6,800
Huirong Fu Department of Computer Science and Engineering	National Science Foundation	**Collaborative: Cybersecurity Capacity Building at Oakland University and Indiana University Purdue.** The goal of this project is to build up the cybersecurity capacity of Oakland University and Indiana University-Purdue University Fort Wayne.	$ 156,694	$ 156,694
Randal Westrick Department of Biological Sciences	National Institutes of Health	**The Identification of Genetic Regulators of Plasminogen Activator Inhibitor-1.** Thrombosis causes the majority of deaths due to cardiovascular disease. Elevated plasma plasminogen activator inhibitor-1 (PAI-1) is associated with thrombosis. Our goal is to identify the precise variant controlling PAI-1 and determine whether it affects other platelet specific genes and/or endothelia PAI-1 levels.	$ 433,481	$ 433,481
Scott Pickett Department of Psychology	Comprehensive Early Autism Services	**Service Delivery Partnership.** This project will establish a partnership between Oakland University and Comprehensive Early Autism Services for the purposes of therapeutic service delivery through the agency, by allowing two Psychology graduate students to provide therapeutic services as a Behavior Therapist.	$ 16,380	$ 16,380
Andrea Kozak Department of Psychology	National Institutes of Health	**Examination of Habitual Sleep Trajectories across the First Two Years of College: Relation to Weight Gain.** The goal of this research is to generate knowledge about factors that may contribute to overall physical health.	$ 426,251	$ 426,251

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Judy Didion School of Nursing	National League of Nursing	**Measuring the Effect of QSEN Curriculum Change in Newly Licensed Registered Nurses: Tool Development.** The purpose of this project is to develop a psychometrically strong tool that will measure the effect of a Quality and Safety in Nursing Education curriculum in Newly Licensed Registered Nurses.	$ 10,450	$ 10,450
Sergey Golovashchenko Department of Mechanical Engineering	Pacific Northwest National Laboratory	**Enhancing Sheared Edge Stretchability of AHSS/UHSS through Integrated Manufacturing Process.** The purpose of this project is to enhance the sheared edge stretchability of AHSS/UHSS by developing quantitative and predictive understanding of the role of microstructure on sheared edge fracture and stretch ability.	$ 82,999	$ 82,999
		Total	**$ 1,682,637**	**$ 2,654,249**