

**Agendum
Oakland University
Board of Trustees Formal Session
April 9, 2018**

**ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY
FOR THE PERIOD OF JANUARY 1 – FEBRUARY 28, 2018**
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 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 January 1 through February 28, 2018.

3. **Previous Board Action:** The Board accepts grants and contracts to Oakland University on a regular basis at its Formal Sessions.

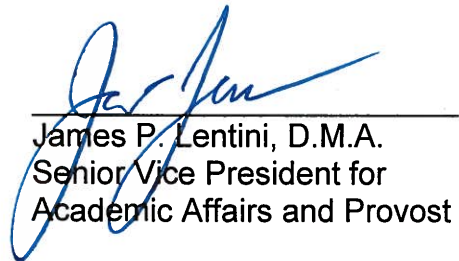
4. **Budget Implications:** Grants and contracts contribute to the University through the recovery of direct and indirect expense incurred in support of research projects.

5. **Educational Implications:** Grants and contracts enhance the training and education of students.

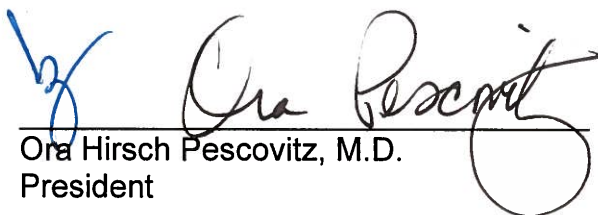
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Oakland University
Board of Trustees Formal Session
April 9, 2018
Page 2

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 January 1 - February 28, 2018.
9. **Attachments:** A. Grants and Contracts Report.

Submitted to the President
on 3/22, 2018 by


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

Recommended on 3/26, 2018
to the Board for approval by


Ora Hirsch Pescovitz, M.D.
President

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Xiangqun Zeng Department of Chemistry	Michigan State University/NIH	Wearable Microsystem Array for Acute Multi-Pollutant Exposure Assessment. This research seeks to develop a new tool for assessment of acute exposure to airborne pollutants that would provide unique capability for researchers to study the toxicity of pollutants and model the relationship between exposure and respiratory/cardiovascular health in an acute manner.	\$ 120,000	\$ 1,037,080
Darren Hanna Department of Electrical and Systems Engineering	RHK Technologies, Inc.	Smart and Fast Atomic Force Microscope for Imaging and Characterizations. The goal of this research is to develop a smart and fast Atomic Force Microscope (AFM) system and expand AFM into a much larger market.	\$ 68,131	\$ 68,131
Laurel Stevenson School of Health Sciences	Blue Cross Blue Shield Foundation	Pontiac Prescription for Health. This program will educate a minimum of 100 uninsured and underinsured residents on the importance of physical activity and healthy eating and provide direct access to community healthy living services through prescriptions obtained from safety net providers.	\$ 50,000	\$ 50,000
Kristine Thompson School of Health Sciences	Grand Valley State University	Content, Methods and Outcomes of an Interprofessional Education Faculty Facilitator Development. The purpose of this study is to describe the content, methods, and outcomes of an Interprofessional Education faculty facilitator development program.	\$ 1,000	\$ 1,000
Laurel Stevenson School of Health Sciences	Oakland County Health Division	Health and Wellness 4x4 Plan Evaluation. Oakland University will provide evaluation services for the Health and Wellness 4x4 Plan Evaluation by assisting in developing the evaluation plan and tools, conduct data collection, entry, and analyses.	\$ 6,000	\$ 6,000

Research Office
 Grants and Contracts Report for period of January 1 - February 28, 2018 for April 9, 2018 Meeting

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Guangzhi Qu Department of Computer Science and Engineering	Consumers Energy	Survival Analysis Predictive Model. This project will deliver a predictive model that will allow the allocation of a score to each employee in order to predict the probability of employee turnover, and in turn enable the establishment of various HR strategies in anticipation of workforce changes.	\$ 54,000	\$ 54,000
Stephen Kent OU INCubator	Grand Valley State University/ MEDC	Business Accelerator Fund-Client Engagement, Commander Innovations. The objective for 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 to catalyze multiplier effect.	\$ 20,000	\$ 20,000
Richard Olawoyin School of Health Sciences	Michigan Technological University	State of Michigan Independent Risk Analysis for the Straits Pipeline. This funding will be used to analyze the short and long term public health and safety impacts of petroleum pipelines on the Straits of Mackinac.	\$ 10,000	\$ 10,000
Khalid Mahmood Malik Department of Computer Science and Engineering	Helping Hand for Relief and Development	Development of Secure Network Architecture with Built-in Mechanism for Future Forensic Analysis. This project aims to develop secure architecture to protect all the digital assets of Helping Hand for Relief and Development.	\$ 38,222	\$ 38,222
Michele Purdie Department of Psychology	Alliance of Coalitions for Healthy Communities	Social Norms Intervention Assessment. The Alliance of Coalitions for Health Communities has entered into an agreement with Oakland University's health coordinator to conduct a social norms intervention on campus to reduce problematic drinking in students. This funding will be used to conduct research to measure the effectiveness of this intervention.	\$ 16,500	\$ 16,500

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Jon Carroll Department of Sociology and Anthropology	Michigan State University / United States Agency for International Development	Precision Agriculture for Small holder Systems in Africa. The purpose of this research is to collect and integrate multi-scale data and analytic techniques to generate inter- and intra-seasonal decision support guidance capable of improving Malawian smallholder farmers' agricultural productivity.	\$ 56,844	\$ 56,844
Michael Seville Department of Chemistry	National Institutes of Health	Mechanisms for Radiation Damage to DNA: LET Effects. A comprehensive model of the effect of radiation on DNA will be tested that describes physiochemical events from the initial track structure and DNA ion-radical formation through hole and electron transfer, to chemical events that lead to secondary radicals and finally result in DNA damage such as base damage and strand breaks.	\$ 225,000	\$ 900,000
Christina Papadimitriou School of Health Sciences	NIDILRR - Rehabilitation Research and Training Centers (RRTCs) Program	Peer Health Navigation for Medicaid Beneficiaries with Physical Disabilities: A CBPR Intervention. Medicaid beneficiaries with disabilities experience structural, financial, cognitive, attitudinal and physical barriers to healthcare that put them at high risk of health disparities. Our OP-ENS intervention will assist in coordinating care for these individuals.	\$ 18,329	\$ 55,428
Total			\$ 684,026	\$ 2,313,205