

Agendum  
Oakland University  
Board of Trustees Formal Session  
June 4, 2018

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

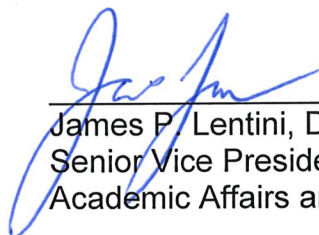
At this time, we request that the Board accept the grants and contracts reported on the attached Grants and Contracts Report, Attachment A, for the period of March 1 through April 30, 2018.

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.
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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Oakland University for the Period of  
March 1 – April 30, 2018  
Oakland University  
Board of Trustees Formal Session  
June 4, 2018  
Page 2

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, 2018.
9. **Attachments:** A. Grants and Contracts Report.

Submitted to the President  
on 5.22.18, 2018 by

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

Recommended on 5/23, 2018  
to the Board for approval by

  
Ora Hirsch Pescovitz, M.D.  
President

**Research Office**  
**Grants and Contracts Report for period of March 1 - April 30, 2018**

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Jessica Korneder Department of Human Development and Child Study	Michigan Department of Health and Human Services	<b>University Autism Spectrum Disorders Program.</b> This funding will be used to increase Board Certified Behavior Analyst and Board Certified Assistant Behavior Analyst students in varied fieldwork sites.	\$ 32,500	\$ 32,500
Sergey Golovashchenko Department of Mechanical Engineering	Pacific Northwest National Laboratory	<b>Enhancing Sheared Edge Stretchability of AHSS/UHSS through Integrated Manufacturing Process.</b> 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 stretchability.	\$ 7,085	\$ 161,084
Reginald McCloud Pre-College Programs	Michigan Department of Labor and Economic Growth	<b>GEAR UP.</b> The GEAR UP program is designed to provide academic and social support for students currently in their first year of college. Support will be in the form of tutoring, study tables, mentoring, and improving soft skills.	\$ 62,680	\$ 62,680
Gary Barber Department of Mechanical Engineering	Eaton Corporation	<b>Tribological Performance of Busway Coatings.</b> The tribological performance of busway coatings will be determined by running friction and wear tests. The performance of standard coatings will be compared to prototype samples.	\$ 46,000	\$ 46,000

Research Office  
Grants and Contracts Report for period of March 1 - April 30, 2018

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Zissimos Mourelatos Department of Mechanical Engineering	University of Michigan/U.S. Army	<b>Reliability, Maintenance and Optimal Operation of Reparable Systems with Application to a Smart Charging Microgrid with Vehicle-to-Grid Capability.</b> This project provides added value to ongoing ARC research, ongoing TARDEC work and work at the industry partner and other industries.	\$ 79,501	\$ 605,095
Stephen Kent OU INCubator	Grand Valley State University/ MEDC	<b>Business Accelerator Fund-Client Engagement, BackBeat Technologies.</b> 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.	\$ 9,450	\$ 9,450
Krzysztof Kobus Department of Mechanical Engineering	State of Michigan	<b>MICUP-HTech Jobs of the Future Program.</b> A College-University Partnership is proposed beginning with Macomb Community College and Oakland Community College, and building on the M2O and 020 programs to create a service avenue for students interested in the high-tech field with a focus on bioengineering, renewable energy and mechatronics. The partnership will include student services to help them persist in the program from the community college to Oakland University.	\$ 88,735	\$ 88,735

Research Office  
Grants and Contracts Report for period of March 1 - April 30, 2018

Attachment A  
Page 3 of 4

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Omar Brown-EI Center for Multicultural Initiatives	State of Michigan	<b>Collectively Oakland Retains Everyone (CORE) Program 4-S King Chavez Parks.</b> CORE is a program that pairs underrepresented students with lower grade point averages and/or lower SAT with resources that focus on their specific needs. Students in the target population are required to attend a week-long summer enrichment program.	\$ 100,483	\$ 645,390
David Stone Research Office	University of Michigan/MEDC	<b>T3N 3.0.</b> A high-priority goal for Oakland University is to leverage the expertise of faculty and students with success in technology commercialization. To that end, the university will hire the services of a mentor-in-residence (MIR) in collaboration with the Michigan T3N fund organization, to help active researchers who are interested in pursuing commercialization and other business paths.	\$ 50,000	\$ 50,000
Sara Blumer-Schuetz Department of Biological Sciences	Ironic Chemicals, LLC	<b>Engineering Alternative Oxidation Activity in A. ferrooxidans for Enhanced Biohydrometallurgy Capabilities.</b> The goal of this research will be to design and create novel strains of A. ferrooxidans cells that secrete hydrogen peroxide during sulfur oxidation.	\$ 25,000	\$ 84,647

Research Office  
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Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Huirong Fu Department of Computer Science and Engineering	National Security Agency	<b>GenCyber: Cybersecurity Camp for K-12 Teachers.</b> The purpose of the high-tech camp at Oakland University is to host 20-40 teachers from K-12. The goal of this camp is to enhance cybersecurity awareness and assist professional development.	\$ 100,000	\$ 100,000
Huirong Fu Department of Computer Science and Engineering	National Security Agency	<b>GenCyber Student Program - Entry Level.</b> This funding will be used for a hands-on, activity-based, and student-centric summer camp program held at Oakland University, to deliver comprehensive cybersecurity training at advanced level to middle school and high school students in the Detroit urban area.	\$ 100,000	\$ 100,000
<b>Total</b>			<b>\$ 701,434</b>	<b>\$ 1,985,581</b>