Agendum
Oakland University
Board of Trustees Formal Session
October 22, 2014

ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY FOR THE PERIOD OF JULY 1 – AUGUST 31, 2014

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 through August 31, 2014.

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 through August 31, 2014.

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

Submitted to the President
on 10-4-, 2014 by

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

Recommended on 10/6, 2014
to the Board for approval by

George W. Hynd, Ed.D
President

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Andrei Slavin Department of Physics	Yale University (DARPA)	**Coherent Information Transduction Between Photons, Magnons and Electric Charge Carriers.** This project will focus on the investigation of information transmission, storage and processing in multi-component systems, which utilize the coherent interconversion between photons, magnons and electric charge carriers.	$ 302,355	$ 600,000
Chhabi Govind Department of Biological Sciences	National Institutes of Health	**Mechanism of RSC Recruitment and Its Role in Transcription.** This project will explore the mechanism by which RSC is recruited to its target genes to remodel chromatin during transcription.	$ 275,904	$ 1,373,720
Michael MacDonald Department of Teacher Development and Educational Studies	Department of Health and Human Services	**Grizzlies Response: Awareness and Suicide Prevention at Oakland University.** The objective of this project is to increase awareness of suicide prevention campuswide.	$ 101,924	$ 305,772
Amy Butler OU INCubator	Grand Valley State University	**Business Accelerator Fund-Client Engagement- Munetrix.** The program objectives for this project are 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.	$ 34,000	$ 300,000
Julie Gustafson Macomb INCubator	Grand Valley State University	**Business Accelerator Fund-Client Engagement-Nostrum Energy.** The program objectives for this project are 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.	$ 50,000	$ 50,000
Julie Gustafson Macomb INCubator	Grand Valley State University	**Business Accelerator Fund-Client Engagement-Omni One.** 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 catalyze multiplier effect.	$ 36,635	$ 36,635
Julie Gustafson Macomb INCubator	Grand Valley State University	**Business Accelerator Fund-Client Engagement-401K GPS.** The program objectives for this project are 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.	$ 27,000	$ 27,000

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Julie Gustafson Macomb Incubator	Grand Valley State University	**Business Accelerator Fund-Client Engagement-Telemetrio.** The program objectives for this project are 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.	$ 14,000	$ 14,000
Paul Rice Athletics Administration	Brooksie Way Minigrant	**Oakland Track and Field Facility Support.** This grant will be used to purchase 12 starting blocks for Oakland University's outdoor track and field facility.	$ 1,800	$ 1,800
Andrei Slavin Department of Physics	TACOM United States Army	**Development of Theory of Non-Reciprocal Magnetic Metamaterials for Applications in Microwave Signal.** The objective of this funding is to perform analytical calculation of the reflection and absorption coefficients of incident electromagnetic waves from the magnetic metamaterials formed by dipolarly coupled arrays of magnetic dots.	$ 50,000	$ 50,000
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.	$ 24,368	$ 220,408
Shailesh Lal Department of Biological Sciences	National Science Foundation	**Genetic, Molecular, and Biochemical Dissection of RNA Splicing Factors Critical for Maize Endosperm Development.** Project summary: Understanding the role of RNA splicing in maize seed development will advance fundamental molecular biology and identify pathways and proteins for future crop improvement.	$ 540,000	$ 800,000
Dorothy Nelson Office of Research Administration	Michigan Economic Development Corporation	**Technology Transfer Talent Network Fellowship.** Funding is proposed to support a technology transfer fellow in the Office of Research Administration. The fellow is a patent attorney and faculty in the School of Engineering and Computer Science.	$ 4,100	$ 52,903
Lorenzo Smith Department of Mechanical Engineering	Johnson Controls Foundation	**Development of Lab Resources for Experimental Analysis.** The objective of this project is to establish a Johnson Controls Laboratory for experimental mechanical testing of sheet metal materials.	$ 27,110	$ 27,110

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Ravindra Khattree Department of Mathematics and Statistics	Axalta Coating Systems, LLC	**Train the Trainers: Experimental Designs in Chemical, Paint and Coating Industries.** The objective of this project is to give an extensive training course/workshop at Axalta Coating Systems to train the future experts who will subsequently train others in Axalta. This course is for chemists and chemical engineers.	$ 14,950	$ 29,900
Anne Hranchook School of Nursing	Health Resources and Services Administration	**Nurse Anesthetist Traineeships.** The purpose of this project is to provide full time graduate nurse anesthesia students with traineeship support to pay for the cost of tuition for the Oakland University-Beaumont Graduate Program of Nurse Anesthesia.	$ 34,415	$ 34,415
Kathleen Spencer School of Nursing	Jonas Center for Nursing Excellence	**Jonas Scholars Program for 2014-2016.** This scholarship grant will be used for Doctoral Nursing Practice students to receive financial support to publish and present on nursing, leadership and other healthcare topics.	$ 20,000	$ 20,000
Darrin Hanna Department of Electrical and Computer Engineering	RHK Technology	**Nano-Imaging Research and Development.** The goal of this research is to establish a nano-imaging research and development laboratory with scan probe microscope at Oakland University. This laboratory will advance the state of the art in high speed embedded systems for SPM, hardware simulators, and researching real-time three-dimensional atomic force spectroscopy.	$ 98,654	$ 500,000
Krzysztof Kobus Department of Mechanical Engineering	United States Army	**REAP Summer 2014.** This funding will provide mentorship and guidance to two high school students as they work on a project in the area of renewable energy.	$ 4,000	$ 4,000
Zissimos Mourelatos Department of Mechanical Engineering	University of Michigan/TACOM	**Reliability, Maintenance and Optimal Operation of Reparable 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.	$ 60,000	$ 143,285
Cynthia Schellenbach Department of Sociology and Anthropology	Oakland Schools	**32-P Block Grant Oakland County Great Start Collaborative.** Oakland University will assist Oakland Schools Great Start Collaborative through their strategic planning process.	$ 31,000	$ 31,000
		Total	**$ 1,752,215**	**$ 4,621,948**