

Agendum  
Oakland University  
Board of Trustees Formal Session  
April 7, 2010

**ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY  
FOR THE PERIOD OF MARCH 1, 2010 THROUGH MARCH 31, 2010**

**A Recommendation**

1. **Division and Department:** Academic Affairs/Office of Grants, Contracts and Sponsored Research
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 March 1, 2010 through March 31, 2010.
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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7. **University Reviews/Approvals:** All grants and contracts are reviewed by the Office of Grants, Contracts and Sponsored Research 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:**

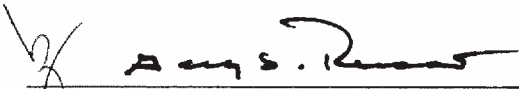
RESOLVED, that the Board of Trustees accept grants and contracts to Oakland University identified in the attached Grants and Contracts Report, Attachment A, for the period of March 1, 2010 through March 31, 2010.

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

Submitted to the President  
on 3/29, 2010 by

  
\_\_\_\_\_  
Virinder K. Moudgil  
Senior Vice President for  
Academic Affairs and Provost

Recommended on 3/29, 2010  
to the Board for approval by

  
\_\_\_\_\_  
Gary D. Russi  
President

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Thomas Schumann School of Nursing	City of Detroit – Detroit Workforce Development Department	<b>Healthcare Career Center.</b> <i>The Detroit Workforce Development Department (DWDD)-Healthcare Career Center (HC3) consists of a collaborative partnership between OU School of Nursing and the Detroit Medical Center. The HC3 will offer career lattice programs to provide for progressive advancement in the healthcare field through vocational training and credentialing opportunities, and linkages between entry level and advanced levels of employment.</i>	\$ 2,354,731	\$ 2,354,731
Xiangqun Zeng Department of Chemistry	National Institutes of Health	<b>ScFv Piezoimmunosensor Detection of Therapeutic Antibodies in Human Serum.</b> <i>The proposed research will focus on developing scFv recombinant antibodies and scFv-based piezoimmunosensor assays for use in detecting therapeutic antibodies in human serum samples. The proposed assay will be more sensitive than traditional immunoassay (e.g. ELISAs or whole antibody immunosensors) and can rapidly and accurately detect therapeutic antibodies in humans using a few drops of human serum and inexpensive instrumentation, a physician will be able to quickly determine if the concentration of therapeutic antibody in patients is sufficient or if therapy must be changed to benefit the patient.</i>	\$ 231,627	\$ 427,656
Ferman Chavez Department of Chemistry	National Science Foundation	<b>CAREER: Synthesis of Structural and Functional Models for Oxalate Degrading Manganese Enzymes.</b> <i>The proposed work will involve the initiation of a new high school outreach program. Experiments and demonstrations related to the PI's research will be developed to teach basic chemistry concepts to high school students as part of their curriculum. The PI, in collaboration with five high school teachers, will design experiments and demonstrations. These activities will be tested in high school classroom settings in the southeastern Michigan area. The PI will conduct four workshops aimed at high school chemistry teachers featuring newly created experiments and demonstrations.</i>	\$ 190,000	\$ 640,000

Principal Investigator	Awarding Agency	Title and Project Abstract	Award Amount	Total Award All Years
Susmit Suvas Department of Biological Sciences	National Institutes of Health	<i><b>Role of Corneal Neuropeptides in the Development of Herpetic Stromal Kearatitis.</b> The objective of this project is to understand the role of corneal neuropeptides in regulating herpetic stromal keratitis (HSK) and to discover new treatment to control HSK.</i>	\$ 217,962	\$ 402,962
<b>Total</b>			<b>\$ 2,994,320</b>	<b>\$ 3,825,349</b>