

Agendum
Oakland University
Board of Trustees Formal Session
December 10, 2018

ACCEPTANCE OF GRANTS AND CONTRACTS TO OAKLAND UNIVERSITY
FOR THE PERIOD OF OCTOBER 1 – NOVEMBER 15, 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 October 1 through November 15, 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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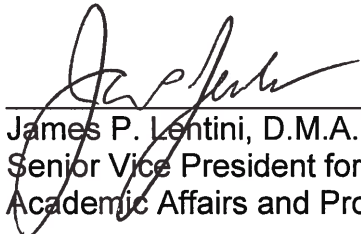
6. **Personnel Implications:** Grants and contracts awards may provide salary support for faculty, post-doctoral fellows, undergraduate and graduate students, technicians, lab managers, and other personnel, as required by the funded research project or program.

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.

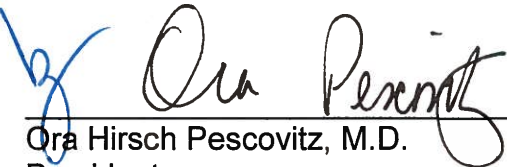
8. **Recommendation:** RESOLVED, that the Board of Trustees accept grants and contracts to Oakland University identified in the attached Grants and Contracts Report, Attachment A, for the period of October 1 – November 15, 2018.

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

Submitted to the President
on 11-27, 2018 by


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

Recommended on 11/30, 2018
to the Board for approval by


Ora Hirsch Pescovitz, M.D.
President

Grants and Contracts Report for period October 1 - November 15, 2018

| Principal Investigator | Awarding Agency | Title and Project Abstract | Award Amount | Total Award All Years |
|---|---|---|--------------|-----------------------|
| Jason Wasserman School of Medicine | Blue Cross Blue Shield of Michigan | Street Medicine Pontiac: A Collaboration and Extension of the Gary Burnstein Community Health Clinic and the Oakland University William Beaumont Student Run Free Clinic. OUWB and the Gary Burnstein Community Health Clinic have formed a partnership to create a Street Medicine Pontiac Program that will send a team of five medical students and at least one physician into the community every two weeks to address the acute medical needs of the homeless and connect them with other sources of care. | \$ 3,000 | \$ 3,000 |
| Julian Rrushi Department of Computer Science and Engineering | United States Air Force | Defense OS-Resident Cyber Deception Operations Rooted in MILDEC. This project will investigate the stealth of deception mechanisms in an operating system, and thus aims at overcoming the detectability limitations of current decoy technologies. | \$ 42,318 | \$ 179,645 |
| Richard Olawoyin School of Health Sciences | State of Michigan- Michigan Technological University | State of Michigan Independent Risk Analysis for the Straits Pipeline. Funding will be used to analyze the short and long term public health and safety impacts of petroleum pipelines on the Straits of Mackinac. | \$ 4,053 | \$ 14,053 |

Grants and Contracts Report for period October 1 - November 15, 2018

| Principal Investigator | Awarding Agency | Title and Project Abstract | Award Amount | Total Award All Years |
|--|------------------------------|--|--------------|-----------------------|
| Christina Papadimitriou School of Health Sciences | George Washington University | No One Listens to Me - Understanding Recovery When Patients Cannot Speak for Themselves. The overall purpose of this project is to create a more complete understanding of what constitutes meaningful recovery by giving voice to the most vulnerable of individuals, specifically those who cannot speak for themselves due to being in unconscious states as a result of traumatic brain injury. | \$ 25,119 | \$ 25,119 |
| Florence Dallo School of Health Sciences | Harvard University | Stress (Early Childhood and Politically-Related) and Health. The goals of this study are to 1) Examine trends in birth outcomes for each year from 1997 to 2017; 2) Estimate and compare birth outcomes in the 12 months prior to and 12 months after September 11; and 3) Estimate and compare birth outcomes in the 12 months prior to and 12 months after the 2016 presidential election. | \$ 64,609 | \$ 64,609 |
| Khalid Mahmood Malik Department of Computer Science and Engineering | Brain Aneurysm Foundation | NeuroAssist: An Intelligent Decision Support System for Prediction of Brain Aneurysm Rupture. The goal of this project is to develop a secure, collaborative and robust framework that individualizes probability of stroke occurrence by designing novel algorithms to perform Semantic-based risk identification and deep learning based prediction. Data analysis will entail using electronic health records and geometrical and topological assessment of features from a subset of diagnostic imaging modalities. | \$ 40,000 | \$ 40,000 |

Grants and Contracts Report for period October 1 - November 15, 2018

| Principal Investigator | Awarding Agency | Title and Project Abstract | Award Amount | Total Award All Years |
|--|--|--|--------------|-----------------------|
| Stephen Goody Department of Art and Art History | Michigan Council for Arts and Cultural Affairs | FY2019 Project Support. This funding will be used to present two exhibitions, "Where Were They Then?" and "Growth and Decay: Pripyat and the Chernobyl Exclusion". | \$ 10,000 | \$ 10,000 |
| Erin Baker School of Medicine | Blue Cross Blue Shield of Michigan | Retrospective Review of Infected Shoulder Arthroplasty Cases to Assess Infections. The primary objective of this study is to retrospectively review all periprosthetic joint infection related cases of shoulder arthroplasty revision procedures at Beaumont by a single surgeon to determine culture status, which may affect treatment plans and patient outcomes. | \$ 3,000 | \$ 3,000 |
| Joanne Reger Department of Sociology, Anthropology, Social Work and Criminal Justice | Sociologists for Women in Society | Editorship of Gender and Society. This funding will be used for editorial, management, and production costs that will occur in the production of the journal <i>Gender and Society</i> for a three-year term. | \$ 66,450 | \$ 513,451 |
| Jessica Korneder Department of Human Development and Child Studies | Macomb Intermediate School District | MISD School-Based ABA Services. The purpose of this pilot project is to provide evidence-based behavior assessment and treatment for children, adolescents, and adults receiving services through the Macomb Intermediate School District. | \$ 67,347 | \$ 67,347 |

Grants and Contracts Report for period October 1 - November 15, 2018

| Principal Investigator | Awarding Agency | Title and Project Abstract | Award Amount | Total Award All Years |
|---|---|---|--------------|-----------------------|
| Reginald McCloud Pre-College Programs | State of Michigan | College Day. This 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. | \$ 55,212 | \$ 55,212 |
| Jessica Korneder Department of Human Development and Child Studies | Michigan Department of Health and Human Services | University Autism Program. This project is designed to expand fieldwork sites to four new locations for Board Certified Behavior Analyst (BCBA) and Board Certified assistant Behavior Analyst BCaBA students and provide BCBA supervision within fieldwork sites for ten BCaBA and BCBA students. | \$ 50,000 | \$ 50,000 |
| Vijitashwa Pandey Department of Mechanical Engineering | Fiat Chrysler Automobiles | Alignment Repair Strategies to Reduce Warranty costs Using a Probabilistic Decision Model. This project will use statistical techniques to determine what vehicle alignment characteristics increase the probability of them being warranty vehicles. | \$ 50,000 | \$ 50,000 |
| Lawrence Herriman Macomb-OU INCubator | Grand Valley State University/ MEDC | Business Accelerator Fund-Client Engagement, Security Vitals. The objective of 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. | \$ 10,000 | \$ 10,000 |

Grants and Contracts Report for period October 1 - November 15, 2018

| Principal Investigator | Awarding Agency | Title and Project Abstract | Award Amount | Total Award All Years |
|--|-------------------|---|-------------------|-----------------------|
| Claire Rammel Graduate Study and Lifelong Learning | State of Michigan | King-Chavez-Parks Program For Future Faculty Fellowships. This funding will be used as stipends for graduate students pursuing postsecondary teaching. | \$ 104,772 | \$ 104,772 |
| | | | \$ 595,880 | \$ 1,190,208 |