

<b>Principal Investigator</b>	<b>Awarding Agency</b>	<b>Title and Project Abstract</b>	<b>Award Amount</b>
<b>Osamah Rawashdeh</b> Department of Electrical and Computer Engineering	National Science Foundation	<b>REU Site: Interdisciplinary Research Experience in Electrical and Computer Engineering.</b> This funding will help promote interest in research and careers in the area of Electrical and Computer Engineering. Ten participants will spend ten weeks in the upcoming three summers working in active research labs in the department.	\$ 122,286
<b>Bradley Roth</b> Department of Physics	Henry Ford Health System	<b>Graduate Student Support for Medical Physics Research at Henry Ford Hospital.</b> 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.	\$ 7,532
<b>Michael Sevilla</b> Department of Chemistry	National Institutes of Health	<b>Mechanisms of Radiation Damage to DNA: LET Effects.</b> The goal of this project is to study free radical mechanisms of radiation damage to DNA.	\$ 197,563
<b>John Seeley</b> Department of Chemistry	Western Michigan University/EPA	<b>Studies of the Role of the Oxidation of BVOCs in SOA Production in the Southeastern U.S.</b> The goal of this collaborative project is to measure the concentration of key organic compounds in the air of the Southeastern United States in order to better understand the atmospheric chemistry of the region.	\$ 10,428
<b>Suha Kridli</b> School of Nursing	Blue Cross Blue Shield of Michigan Foundation	<b>Improving Health Behaviors of Arab American Youth.</b> The objective of this research is to study the effectiveness of a health education curriculum for Arab American youths in Michigan.	\$ 72,921

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<b>Laila Guessous</b> Department of Mechanical Engineering	National Science Foundation	<b>REU Site: Automotive and Energy Research and Industrial Mentorship (AERIM) Program at Oakland University.</b> The primary objective of this REU site is to engage 10 undergraduate students, particularly women, in a 10-week summer research experience in the automotive and energy fields.	\$ 359,826
<b>Gautam Singh</b> Department of Computer Science and Engineering	Denso Corporation	<b>Autonomous Vehicles: Database for Sensor Tagging and Indexing.</b> This project aims at developing a database for tracking, processing and tagging data acquired from sensors on a vehicle.	\$ 95,000
<b>Lianxiang Yang</b> Department of Mechanical Engineering	Tongji University/ Shanghai Electric International Economic and Trading	<b>Development of Shearography System with a Wide Angle of View.</b> The goal of this project is to develop a shearographic system with a wide angle of view, more than 12 times larger than the existing systems.	\$ 22,940
<b>Samia Ragheb</b> School of Medicine	American Medical Association Foundation	<b>Carotid Atherosclerosis: Biomarkers to Identify Patients at Risk for Stroke.</b> The long-term goal of this research is to determine biomarkers in peripheral blood that can prospectively identify patients at risk for plaque instability.	\$ 2,499
<b>Gopalan Srinivasan</b> Department of Physics	United States Army	<b>Self Assembled Multiferroic Nanostructures and Studies on Magnetoelectric Interactions.</b> The goal of this project is to extend current research to novel self-assembled ferromagnetic-ferroelectric nanostructures and studies on ME interactions and negative-index characteristics.	\$ 116,000
<b>Cynthia Shellenback</b> Department of Sociology and Anthropology	Oakland Schools	<b>Help Me Grow Program Evaluation Contract.</b> This funding will be used to complete a program evaluation for the Michigan Help Me Grow Project, implement research methodologies in accordance with measurement matrix and year three evaluation, as well as analysis and quarterly reports.	\$ 10,000

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<b>Lianxiang Yang</b> Department of Mechanical Engineering	AK Steel	<b>Experimental Draw Bead Simulation Involving Inclined Double Bead Configuration.</b> The goal of this project is to determine experimentally the draw bead restraining force from nine different draw bead configurations, which feature double beads geometry and inclined binder angle, and determine the R-values in three different directions from an uniaxial tensile test.	\$ 19,339
<b>Julie Ricks-Doneen</b> Department of Human Development and Child Study	Oakland Schools/Great Start Collaborative-Oakland	<b>Strengthening Families Parent Café.</b> This funding will be used to provide one parent café series with three total training sessions.	\$ 2,000
<b>Beth Black</b> Department of Health Sciences	American Physical Therapy Association	<b>Theory Based Intervention Program to Support Physical Activity for Patients with Multiple Sclerosis.</b> The purpose of this study is to examine whether an individualized home-based physical activity counseling intervention, based on Social Cognitive Theory and using physical activity monitoring technology, can increase levels of physical activity.	\$ 6,020
<b>Anna Spagnuolo</b> Department of Mathematics and Statistics	Michigan Space Grant Consortium	<b>Mathematical Modeling of Prokaryotic Speciation.</b> This project aims to derive a mathematical model for prokaryotic speciation in relation to a planetary-scale atmosphere.	\$ 2,500
<b>Ka C Cheok</b> Department of Electrical and Computer Engineering	TACOM/TARDEC	<b>Intelligent Ground Vehicle Competition.</b> Oakland University will conduct the 2014 Annual Intelligent Ground Vehicle Competition and support activities for the competition events.	\$ 89,900
<b>Zijuan Liu</b> Department of Biological Sciences	National Institutes of Health	<b>Role of SLC39A8 (ZIP8) in Selenite Transport.</b> The goal of this project is to identify the functions of SLC39A8 (ZIP8) in selenite transport in cell culture and transgenic mice and determine the impact of ZIP8 activity on cellular responses to selenite.	\$ 11,147

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<b>Gary Barber</b> Department of Engineering and Computer Science	Mississippi State University	<b>Automotive Tribology Center.</b> The Automotive Tribology Center is an academic research unit within the Mechanical Engineering department at OU. The center will perform fundamental and applied research that lowers frictional energy losses, and enhances reliability and durability of automotive components.	\$ 58,190
<b>Lianxiang Yang</b> Department of Mechanical Engineering	Chrysler Group LLC	<b>Aluminum Edge Cracking Strain of Tensile Samples.</b> This project will study the influence of the pre-strained of three aluminum samples on hole edge cracking limit strain in tensile tests at Oakland University Laboratories.	\$ 25,000
<b>Fabia Battistuzzi</b> Department of Biological Sciences	Michigan Space Grant Consortium-NASA	<b>Evolutionary History of Hyperthermophilic Bacteria: Early Divergence or Recent Adaptations.</b> The goal of this research is to resolve the phylogenetic history of hyperthermophiles and address their evolution in terms of the origin of life.	\$ 2,500
<b>Marshall Kitchens</b> Department of Writing and Rhetoric	National Writing Project	<b>SEED High Needs High School Grant.</b> This funding will be used to run the invitational summer institute through full scholarships and stipends to eight total participants over the next two summers.	\$ 10,000
<b>Total</b>			<b>\$ 1,243,591</b>