

# College of Liberal Arts and Sciences Sponsored Awards: FY2016 - Reporting Period October 1, 2015 through March 31, 2016

## DEPARTMENT: **Africana Studies**

Ntiri, Daphne W.                      \$18,100              STATE OF MICHIGAN

PI/Co-PI Award Credit              100%

### 2015-2016 WIA Core Another Chance

Workforce Improvement Act adult education high school completion program to build state funded program capacities, recruitment, and to enhance retention in adult literacy program delivery.

Ntiri, Daphne W.                      \$189,900              STATE OF MICHIGAN

PI/Co-PI Award Credit              100%

### 2015-2016 WIA Core Another Chance

Workforce Improvement Act adult education high school completion program to build state funded program capacities, recruitment, and to enhance retention in adult literacy program delivery.

## DEPARTMENT: **Anthropology**

Lesnik, Julie Joan                      \$20,000              The Leakey Foundation

PI/Co-PI Award Credit              100%

### An evaluation of termite-associated hydrocarbon signatures as an influence on prey selectivity and an ecological signal for chimpanzees and Olduvai hominins."

An evaluation of termite-associated hydrocarbon signatures as an influence on prey selectivity and an ecological signal for chimpanzees and Olduvai hominins.

## DEPARTMENT: **Biological Sciences**

Greenberg, Miriam L.                      \$50,000              THE BARTH SYNDROME FOUNDATION, INC.,

PI/Co-PI Award Credit              100%

### Cardiolipin is Required for Mitochondrial Protein Processing

Prior studies show that CL-deficient yeast cells and BTHS lymphoblasts exhibit defective processing of frataxin. We are testing the hypothesis that deficient processing of frataxin leads to decreased mitochondrial function.

**DEPARTMENT: Biological Sciences**

Kashian, Donna Rebecca      \$1,500      Michigan Chapter North American Lake Management Society

PI/Co-PI Award Credit      100%

Assessment of Cyanobacteria to Suppress Growth and Development of Dreissenid Larvae

Supplemental funding that supports the U.S. Geological Survey research on Dreissenid mussels invasive to North American and Western European lakes.

Kashian, Donna Rebecca      \$20,031      STATE OF MICHIGAN DEPT. OF HEALTH & HUMAN SERVICES

PI/Co-PI Award Credit      100%

Eat Safe Fish

Distribute Eat Safe Fish educational materials to anglers fishing at pre-determined locations along the Detroit River. The purpose of the intervention is to inform anglers about chemical contamination to encourage a shift in towards consumption of lower contamination species of fish.

Kashian, Donna Rebecca      \$5,000      STATE OF MICHIGAN DEPT. OF HEALTH & HUMAN SERVICES

PI/Co-PI Award Credit      100%

Eat Safe Fish

Distribute Eat Safe Fish educational materials to anglers fishing at pre-determined locations along the Detroit River. The purpose of the intervention is to inform anglers about chemical contamination to encourage a shift in towards consumption of lower contamination species of fish.

**DEPARTMENT: Chemistry**

Winter, Charles H.      \$100,000      BASF CORPORATION

PI/Co-PI Award Credit      100%

6-Membered Cyclic Dienes as Strongly Reducing Precursors for the Growth of Element Films by Vapor Phase Deposition

The project purpose is to develop novel thermally stable reducing agents enabling atomic layer deposition of electropositive metals. The commercial application of this research is to Complementary Metal Oxide Semiconductor (CMOS) fabrication.

**DEPARTMENT: Communication Sciences and Disorders**

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O'Leary, Karen S.                      \$12,500      Children's Hospital of Michigan Foundation

PI/Co-PI Award Credit              100%

**Improving Access and Education for Communication Disorders**

The program funds outpatient speech and language therapy for children who do not have adequate insurance coverage for this service.

**DEPARTMENT: Geography and Urban Planning**

Boyle, Robert                          \$33,500      Detroit Metro Convention and Visitors Bureau

PI/Co-PI Award Credit              100%

**Taxicab Services and Mobility in SE Michigan**

Project is funded to build a reliable database of the number, scale and efficacy of taxicab services in the tri-county region. Data will be used to assess and report the challenges and opportunities facing the taxicab industry.

Pothukuchi, Kameshwari              \$25,000      FORD MOTOR COMPANY FUND

PI/Co-PI Award Credit              100%

**From Volunteering to Career Paths: Student Leadership in Community Food Systems**

The project provides internships for student leaders working in local food system initiatives, such as SEED, Farmer's Market, and host organizations that support a sustainable food community.

Pothukuchi, Kameshwari              \$8,000      FORD MOTOR COMPANY FUND

PI/Co-PI Award Credit              100%

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The project provides internships for student leaders working in local food system initiatives, such as SEED, Farmer's Market, and host organizations that support a sustainable food community.

**DEPARTMENT: Mathematics**

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Kahn, Steven M.                      \$224,000              UNITED WAY OF SOUTHEASTERN MICHIGAN

PI/Co-PI Award Credit              100%

**WSU Math Program from CEEM (at Osborn Academics)**

The program provides math coaching to 9th and 10th graders in a format that engages the students to positively connect within their high school and community in underserved areas.

**DEPARTMENT: Nutrition & Food Science**

Zhang, Yifan                              \$299,998              National Institute of Food and Agriculture

PI/Co-PI Award Credit              100%

**Investigating the Extent of Antibiotic Resistance Reservoir in Urban Agricultural Production**

The purpose of the project is to investigate the nature and extent of antibiotic resistance reservoir in the urban agricultural environment and train food science students in comprehensive analysis of soil bacteria and soil DNA using microbiology and genomics tools.

**DEPARTMENT: Physics**

Llope, William Joseph              \$194,037              UNIVERSITY OF TENNESSEE

PI/Co-PI Award Credit              100%

**GEMs for ALICE Barrel Tracking Upgrade**

Multiinstitutional and federal contracting lab partnership to upgrade the Large Hadron Collider at CERN for the ALICE Barrel Tracking Upgrade portion of the project.

**DEPARTMENT: Psychology**

Rapport, Lisa J.                              \$175,940              Administration for Community Living

PI/Co-PI Award Credit              90%

**Visual Gaze and Validity of Cognitive Evaluations**

This study seeks to add to the knowledge base regarding improvement of traumatic brain injury patient outcomes by understanding neuropsychological functions as it relates to rehabilitation outcomes. The level of patient engagement during therapy will be studied using eye gaze tracking technology.

**DEPARTMENT: Psychology**

Slatcher, Richard B                      \$12,610                      UNIVERSITY OF SOUTH CAROLINA

PI/Co-PI Award Credit                      100%

**NINR R01NR013466A-Resilience-based psychosocial intervention among children affected by HIV/AIDS**

Research is an examination of stressful life experiences among children of parents with HIV/AIDS in rural China predict changes in behavioral outcomes and biomarkers over a 36 month period.

**DEPARTMENT: Sociology**

Dillaway, Heather E.                      \$32,563                      UNIVERSITY OF DETROIT MERCY

PI/Co-PI Award Credit                      100%

**Social Determinants of Primary Care Utilization among Urban Community Mental Health Center Patients with Serious Mental Illness**

Preferences regarding Integrated Care among Patients with Serious Mental Illness in an Urban Setting: A Mixed Methods Study.