

SUBMITTED BY:

**STEPHEN M. LANIER, PH.D.
VICE PRESIDENT FOR RESEARCH**

**NEW RESEARCH AWARDS OVER \$50,000
QUARTER 2 – FY 2016**

COLLEGE OF EDUCATION

Health and Physical Education

Principal Investigator: Nathan McCaughtry

Sponsor: Michigan Fitness Foundation

Title: WSU Farmer's Market Pilot Program

Anticipated Total: \$102,850

Effective Dates: 1/1/2016 – 4/30/2017

Principal Investigator: Elizabeth Centeio

Sponsor: Blue Cross Blue Shield of Michigan

Title: Building Healthy Communities - Engaging Elementary Schools Through Partnership

Anticipated Total: \$450,000

Effective Dates: 1/31/2016 – 9/30/2017

Teacher Education

Principal Investigator: Anna G. Miller

Sponsor: Excellent Schools Detroit

Title: Professional Development for Early Childhood Care Providers

Anticipated Total: \$75,560

Effective Dates: 1/1/2016 – 8/30/2016

Principal Investigator: Jennifer M. Lewis

Sponsor: State of Michigan Department of Education

Title: Title II (B) 152410-MSP2016 Mathematics and Science Partnership Grant Program

Anticipated Total: \$381,507

Effective Dates: 9/1/2015 – 8/31/2017

COLLEGE OF ENGINEERING

Civil Engineering

Principal Investigator: Christopher D. Eamon

Sponsor: State of Michigan Department of Transportation

Title: Evaluation of Cost/Benefits of Standardization of Secondary Route Bridges

Anticipated Total: \$236,472

Effective Dates: 3/1/2016 – 3/31/2016

Principal Investigator: Shawn P. McElmurry
Sponsor: State of Michigan Department of Health and Human Services
Title: Flint Area Community Health and Environment Partnership (FACHEP) PHASE I: Planning for Enhanced Disease Surveillance and Environment Monitoring
Anticipated Total: \$125,524
Effective Dates: 3/3/2016 – 4/30/2016

Computer Science

Principal Investigator: Weisong Shi
Sponsor: National Science Foundation
Title: EAGER: Fine-Grained Software Power Prediction and Its Application on Power Management of Heterogeneous Multicore Systems
Anticipated Total: \$299,928
Effective Dates: 2/1/2016 – 1/31/2018

Principal Investigator: Chandankumar Karrem
Sponsor: Blue Cross Blue Shield of Michigan Foundation
Title: Reducing Readmission Rates through Analyzing Claims Data
Anticipated Total: \$50,000
Effective Dates: 8/1/2015 – 8/30/2016

Electrical and Computer Engineering

Principal Investigator: Chung-Tse Wu
Sponsor: National Science Foundation
Title: CAREER: Spectrally-Encoded Ultrafast Microwave Panoramic Camera
Anticipated Total: \$500,000
Effective Dates: 1/1/2016 – 12/31/2020

Industrial and Systems Engineering

Principal Investigator: Venkatachalam Saravanan
Sponsor: US AutoLogistics
Title: Computer Assisted Load Make-Up, Implementation, and Education
Anticipated Total: \$75,250
Effective Dates: 7/1/2015 – 6/30/2016

COLLEGE OF LIBERAL ARTS AND SCIENCES

Department of Biological Sciences

Principal Investigator: Miriam L. Greenberg
Sponsor: The Barth Syndrome Foundation, Inc.
Title: Cardiolipin is Required for Mitochondrial Protein Processing
Anticipated Total: \$50,000
Effective Dates: 4/1/2016 – 3/31/2017

Department of Nutrition and Food Science

Principal Investigator: Yifan Zhang

Sponsor: National Institute of Food and Agriculture

Title: Investigating the Extent of Antibiotic Resistance Reservoir in Urban Agricultural Production

Anticipated Total: \$299,998

Effective Dates: 1/1/2016 – 12/31/2018

Department of Physics

Principal Investigator: Joseph W. Llope

Sponsor: University of Tennessee

Title: GEMs for ALICE Barrel Tracking Upgrade

Anticipated Total: \$194,037

Effective Dates: 11/15/2015 – 11/14/2016

COLLEGE OF FINE AND PERFORMING ARTS

Department of Communication

Principal Investigator: Pradeep Sopory

Sponsor: World Health Organization

Title: Evidence Syntheses to Support the Guideline on Emergency Risk Communication

Anticipated Total: \$116,513

Effective Dates: 2/15/2016 – 8/30/2016

SCHOOL OF MEDICINE

Center for Molecular Medicine and Genetics

Principal Investigator: Jiemei Wang

Sponsor: National Institute of Diabetes, Digestive, and Kidney Disease

Title: Role of Inositol Requiring Enzyme 1 in Regulating Angiogenesis for Diabetic Wound Repair

Anticipated Total: \$1,702,343

Effective Dates: 3/1/2016 – 2/28/2016

Department of Obstetrics/Gynecology

Principal Investigator: Sonia Hassan

Sponsor: Southeastern Michigan Health Association

Title: Make Your Date – Wayne State University

Anticipated Total: \$200,000

Effective Dates: 10/1/2015 – 9/30/2016

Principal Investigator: Nicole M. King

Sponsor: Prevent Cancer Foundation

Title: Novel Biomarkers for the Detection of Ovarian Cancer

Anticipated Total: \$80,000

Effective Dates: 1/15/2016 – 1/14/2018

Department of Oncology

Principal Investigator: Susan Eggly

Sponsor: National Cancer Institute

Title: A Multilevel Intervention to Increase the Participation of African Americans in Prostate Cancer Clinical Trials

Anticipated Total: \$2,964,603

Effective Dates: 1/19/2016 – 12/31/2020

Department of Pathology

Principal Investigator: Rafael A. Fridman

Sponsor: US Army Medical Research Acquisition Activity

Title: Discoidin Domain Receptors: Novel Targets in Breast Cancer Bone Metastasis

Anticipated Total: \$278,060

Effective Dates: 2/1/2016 – 1/31/2019

Department of Pharmacology

Principal Investigator: Sokol V. Todi

Sponsor: National Ataxia Foundation

Title: Mechanisms of Neuroprotection by DnaJ-1 in Spinocerebellar Ataxia Type 6

Anticipated Total: \$50,000

Effective Dates: 1/1/2016 – 12/31/2016

Department of Physiology

Principal Investigator: Fei Sun

Sponsor: Cystic Fibrosis Foundation

Title: Generation of CF Nonsense Mutation in Rabbits

Anticipated Total: \$300,000

Effective Dates: 11/1/2015 – 10/31/2017

Department of Urology

Principal Investigator: Ricardo D. Bonfil

Sponsor: US Department of Defense

Title: Discoidin Domain Receptors: Novel Targets in Breast Cancer Bone Metastasis

Anticipated Total: \$522,715

Effective Dates: 2/1/2016 – 1/31/2019

COLLEGE OF PHARMACY AND HEALTH SCIENCE

Department of Pharmacy Practice

Principal Investigator: Michael J. Rybak

Sponsor: National Institute of Health

Title: A Pharmacological Approach to Prevent the Emergence of Resistance in MRSA and VRE

Anticipated Total: \$396,425

Effective Dates: 12/10/2015 – 11/30/2016