

SUBMITTED BY:

**STEPHEN M. LANIER, PH.D.
VICE PRESIDENT FOR RESEARCH
REPORT ON NEW AWARDED RESEARCH GRANTS
FISCAL YEAR 2014 –FOURTH QUARTER**

COLLEGE OF EDUCATION

Health & Physical Education

PI: McCaughtry, Nathan A.

Sponsor: Academy of Nutrition and Dietetics

Title: Champions for Healthy Kids

Project Dates and Anticipated Amount of Award: 6/1/14- 5/31/15; \$20,000
and

Sponsor: United Dairy Industry of Michigan

Title: Building Healthy Communities

Project Dates and Anticipated Amount of Award: 5/20/14 – 9/30/14; \$10,000

Teacher Education

PI: Babcock, Elsie

Sponsor: STATE OF MICHIGAN DEPARTMENT OF EDUCATION

Title: Collaborative Opportunities for Reaching Excellence in Mathematics (CORE5M)

Project Dates and Anticipated Amount of Award: 4/1/14 – 9/30/15; \$281,707

PI: Stephens, GERALYN E.

Sponsor: STATE OF MICHIGAN DEPARTMENT OF EDUCATION

Title: Secondary Perkins State Leadership Grant

Project Dates and Anticipated Amount of Award: 7/1/14 – 6/30/15; \$19,803

COLLEGE OF ENGINEERING

Biomedical Engineering

PI: Grimm, Michele Jeanette

Sponsor: NATIONAL INSTITUTE OF BIOMEDICAL IMAGING & BIOENGINEERING

Title: 2014 ASME Summer Bioengineering Conference/World Congress of Biomechanics

Project Dates and Anticipated Amount of Award: 7/6/14 – 6/30/14; \$10,000

Chemical Engineering

PI: Liu, Haipeng

Sponsor: NATIONAL INSTITUTE OF DIABETES DIGESTIVE & KIDNEY DISEASES

Title: Design Molecular Vaccines for Type 1 Diabetes

Project Dates and Anticipated Amount of Award: 9/10/14 – 8/31/2016; \$475,752

PI: Nikolla, Eranda

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: DMREF/Collaborative Research: Computationally Guided Design of Multicomponent Materials for Electrocatalytic Cascade Reactions
Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/2018; \$356,332

PI: Cao, Zhiqiang

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: Automatically Resisting, Releasing, and Killing Bacteria Using a Single Peptide
Project Dates and Anticipated Amount of Award: 8/15/14 – 7/31/2017; \$97,473

PI: Mao, Guangzhao

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: Nanoparticle-directed Synthesis of Organic Nanorods
Project Dates and Anticipated Amount of Award: 7/15/14 – 6/30/2017; \$329,311

Civil Engineering

PI: Gates, Timothy J

Sponsor: WESTERN MICHIGAN UNIVERSITY

Title: Transportation Research Center for Livable Communities
Project Dates and Anticipated Amount of Award: 9/30/13 – 6/20/16; \$100,000

PI: Hummer, Joseph

Sponsor: NORTH CAROLINA STATE UNIVERSITY

Title: Guidance for Traffic Signals at Diverging Diamond Interchanges and Adjacent Intersections
Project Dates and Anticipated Amount of Award: 6/13/14 – 6/12/16; \$50,000

PI: Usmen, Mumtaz

Sponsor: U.S. DEPARTMENT OF LABOR

Title: Mobile Hazard Communication Training of Operating Engineers and Other Trades
Project Dates and Anticipated Amount of Award: 9/30/14– 9/30/14; \$139,995

Computer Science

PI: Abi-Antoun, Marwan

Sponsor: Carnegie Mellon University

Title: Scoria: Sound, Static Architectural Risk Analysis
Project Dates and Anticipated Amount of Award: 2/6/14– 3/27/14; \$54,999

PI: Chen, Xuewen

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: CDI-Type II: Computational Methods to Enable an Invertebrate Paleontology Knowledgebase
Project Dates and Anticipated Amount of Award: 6/1/14 – 8/31/14; \$1,092,818

PI: Zhu, Dongxiao

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: Scoria: EAGER: A Novel Algorithmic Framework for Discovering Subnetworks from Big Biological Data

Project Dates and Anticipated Amount of Award: 9/1/14– 8/31/14; \$174,989

Electrical & Computer Engineering

PI: Cheng, Ming-Cheng

Sponsor: Physical Optics Corporation

Title: Fabrication of Graphene-Based Field-Effect Transistors

Project Dates and Anticipated Amount of Award: 8/8/14 – 12/31/14; \$10,000

PI: Han, Xiaoyan

Sponsor: HENRY FORD HEALTH SYSTEMS

Title: Medical Imaging Feature Extraction and Analysis

Project Dates and Anticipated Amount of Award: 8/15/14 – 12/31/14; \$16,673

Industrial and Systems Engineering

PI: Chinnam, Ratna Babu

Sponsor: VETERANS ADMINISTRATION

Title: GOALI: VE - TAP - WSU - Supply/Demand (ACCESS)

Project Dates and Anticipated Amount of Award: 9/29/14 – 12/31/14; \$48,750

PI: Dalkiran, Evrim

Sponsor: VETERANS ADMINISTRATION

Title: GOALI: VE - TAP - WSU - Emergency Department - Inpatient Flow Management

Project Dates and Anticipated Amount of Award: 9/29/14 – 12/31/14; \$48,750

PI: Kim, Kyoung-Yun

Sponsor: VETERANS ADMINISTRATION

Title: GOALI: VE - TAP - WSU - Process-Cost Analysis and Deployment of Medical Equipment Evaluation and Decision Analytics (MEEDA) System

Project Dates and Anticipated Amount of Award: 9/29/14 – 12/31/14; \$26,539

and

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: Collaborative Research: Constructionism in Learning: Sustainable Life Cycle Engineering (Cool:SLICE)

Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/17; \$188,175

PI: Monplaisir, Leslie F.

Sponsor: VETERANS ADMINISTRATION

Title: GOALI: Measurement Tool for NAO and Speciality Care Hybrid Project

Project Dates and Anticipated Amount of Award: 9/29/14 – 12/31/14; \$50,400

PI: Murat, Ekrem Alper
Sponsor: VETERANS ADMINISTRATION
Title: VE - TAP - WSU - Near Real Time - Decision Support System (NRT-DSS)
Project Dates and Anticipated Amount of Award: 9/29/14 – 12/31/14; \$25,000

PI: Yang, Kai
Sponsor: VETERANS ADMINISTRATION
Title: GOALI: VE - TAP - WSU - Nutritional Staffing Model Web Tool Development
Project Dates and Anticipated Amount of Award: 9/29/14 – 12/31/14; \$31,250
and
Sponsor: VETERANS ADMINISTRATION
Title: GOALI: VE - TAP - WSU - Readmission Causal Analysis and Resolution Toolkit (RCART)
Project Dates and Anticipated Amount of Award: 9/29/14 – 12/31/14; \$25,000
and
Sponsor: VETERANS ADMINISTRATION
Title: GOALI: VE - TAP - WSU - IVN Continuous Upgrading, Sustainment and Nationwide Implementation
Project Dates and Anticipated Amount of Award: 9/29/14 – 12/31/14; \$62,000
and
Sponsor: VETERANS ADMINISTRATION
Title: GOALI: VE - TAP - WSU - Performance Metrics Management Toolset for Implementation in VISN 11
Project Dates and Anticipated Amount of Award: 9/29/14 – 12/31/14; \$24,000

Mechanical Engineering

PI: Arava, Leela
Sponsor: RICE UNIVERSITY
Title: Next Generation Li-ion Batteries from Plant/Crop-based Renewable Materials
Project Dates and Anticipated Amount of Award: 9/15/14 – 9/30/15; \$30,000

PI: Dinda, Guru Prasad
Sponsor: Focus:HOPE
Title: Transmission Electron Microscopy and X-Ray Diffraction Investigation of Laser Deposited Rene 80
Project Dates and Anticipated Amount of Award: 8/1/14 – 9/30/15; \$11,651.71

PI: Ku, Jerry Chih
Sponsor: EcoCAR3
Title: Plugging into the Future: Hybrid Warriors Team
Project Dates and Anticipated Amount of Award: 4/9/14 – 6/24/14; \$261,279

PI: Wu, Xin
Sponsor: AUTO/ STEEL PARTNERSHIP
Title: Fracture Model Calibration, ASP7001 "Nonlinear Strain Paths" Project

Project Dates and Anticipated Amount of Award: 8/1/14 – 12/31/14; \$45,000

COLLEGE OF LIBERAL ARTS & SCIENCES

Biological Sciences

PI: Kashian, Daniel Mark

Sponsor: Joint Fire Science Program

Title: Can the Arrangement of Pine Barrens Mediate the Spread of Wildfires under Various Climate Change Scenarios?"

Project Dates and Anticipated Amount of Award: 7/29/14 – 9/1/16; \$25,000

Chemistry

PI: Brock, Stephanie L.

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: SusChEM: Collaborative Research: Atomic Level Properties of Nanosized Metal Phosphide Catalysts for Heteroatom Removal Reactions

Project Dates and Anticipated Amount of Award: 8/1/14 – 7/31/17; \$299,590

PI: Li, Wen

Sponsor: U.S. DEPARTMENT OF ENERGY

Title: Exploiting Non-equilibrium Charge Dynamics in Polyatomic Molecules to Steer Chemical Reaction

Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/17; \$2,250,000
and

Sponsor: U.S. DEPARTMENT OF DEFENSE

Title: Development of an Ultrafast Probe and Control of Chemical Dynamics

Project Dates and Anticipated Amount of Award: 8/15/14 – 8/14/15; \$ 261,180

PI: Rodgers, Mary Theresa

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: IRES: U.S. Netherlands Collaborative International Research Experience for Students in Mass Spectrometry and Ion Spectroscopy

Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/17; \$250,000

PI: Suits, Arthur G.

Sponsor: UNIVERSITY OF CALIFORNIA, LOS ANGELES

Title: Precision Chemical Dynamics and Quantum Control of Ultracold Molecular Ion Reactions

Project Dates and Anticipated Amount of Award: 7/15/14 – 7/14/17; 18,603
and

Sponsor: U.S. DEPARTMENT OF ENERGY

Title: 25th Dynamics of Molecular Collisions Meeting

Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/15; \$10,000

PI: Trimpin, Sarah

Sponsor: MSTM, LLC

Title: Inlet Ionization Commercialization for Mass Spectrometry

Project Dates and Anticipated Amount of Award: 7/1/14 – 6/30/14; \$77,094
and

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: Vacuum Ionization Mass Spectrometry

Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/17; \$429,516

PI: Westrick, Judy Anne

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: Acquisition of a Powder X-ray Diffractometer for Nanotechnology and Energy Research
and Teaching

Project Dates and Anticipated Amount of Award: 8/1/14 – 7/31/17; \$266,000
and

Sponsor: U.S. ENVIRONMENTAL PROTECTION AGENCY

Title: Evaluation of Microcystin Immunocolumn Eluates by LC/MS/MS

Project Dates and Anticipated Amount of Award: 7/17/14 – 10/31/14; \$14,949

PI: Winter, Charles H.

Sponsor: Applied Materials, Inc.

Title: New Precursors for the Low Temperature Growth of Silicon-Containing Thin Films by
Atomic Layer Deposition

Project Dates and Anticipated Amount of Award: 4/16/14 – 4/15/15; \$80,000

Communication Sciences and Disorders

PI: Cacace, Anthony Thomas

Sponsor: MicorTransponder, Inc.

Title: A Blinded Randomized Pilot Study Assessing Vagus Nerve Stimulation (VNS) Paired with
Tones for Tinnitus vs. VNS alone.

Project Dates and Anticipated Amount of Award: 8/1/14 – 7/29/15; \$334,924

Geology

PI: Lemke, Lawrence David

Sponsor: BIOMEDWARE

Title: Geostatistical Software for Space-Time Interpolation and Uncertainty Modeling

Project Dates and Anticipated Amount of Award: 7/1/14 – 7/1/15; \$10,000

PI: Baskaran, Mark Mahalingam

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: GEOTRACES Arctic Section: Application of ²¹⁰Po and ²¹⁰Pb Distribution at Contrasting
Interface Regimes of Western Arctic

Project Dates and Anticipated Amount of Award: 10/15/14 – 9/30/17; \$265,798

Mathematics

PI: Li, Hengguang

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: Theory and Implementation of Novel Numerical Methods for Equations with Singularities

Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/17; \$152,805

PI: Zhang, Zhimin

Sponsor: NATIONAL SCIENCE FOUNDATION

Title: Superconvergent post-processing of some newly developed numerical methods with weak derivatives

Project Dates and Anticipated Amount of Award: 8/15/14 – 7/31/17 ; \$169,999

Nutrition and Food Science

PI: Khosla, Pramod

Sponsor: MALAYSIAN PALM OIL BOARD

Title: Palm Tocotrienols in Chronic Hemodialysis Patients Study (PATCH Study)

Project Dates and Anticipated Amount of Award: 9/15/14 – 1/14/15; \$15,000

Physics

PI: Karchin, Paul E.

Sponsor: FERMI NATIONAL ACCELERATOR LABORATORY

Title: US CMS Phase 2 Upgrade R&D Subsystem

Project Dates and Anticipated Amount of Award: 1/1/14 – 12/31/14; \$4,000

PI: Petrov, Alexey A.

Sponsor: FERMI NATIONAL ACCELERATOR LABORATORY

Title: Studies of fundamental physics with leptons and quarks

Project Dates and Anticipated Amount of Award: 10/1/14 – 3/31/15; \$23,600
and

Sponsor: University Research Association

Title: Studies of Fundamental Physics with Leptons and Quarks.

Project Dates and Anticipated Amount of Award: 8/18/14 – 8/17/15; \$20,000

PI: Cackett, Edward Michael

Sponsor: Smithsonian Astrophysical Observatory

Title: A Definitive Test of Relativistic Disk Lines in Neutron Stars

Project Dates and Anticipated Amount of Award: 7/1/14 – 6/30/16; \$142,642

PI: Cinabro, David Anthony

Sponsor: U.S. - Japan Cooperative Program in High Energy Physics

Title: Procurement of Belle II EKLM preamps with US-Japan Funds

Project Dates and Anticipated Amount of Award: 6/12/14 – 2/28/14; \$19,734

PI: Majumder, Abhijit
Sponsor: U.S. DEPARTMENT OF ENERGY
Title: 2013 JET Modification Workshop Funding-Sub-C with UC-Berk/LBNL
Project Dates and Anticipated Amount of Award: 7/15/14 – 7/14/15; \$5,000

Psychology

PI: Barnett, Douglas
Sponsor: HEALTH RESOURCES & SERVICES ADMINISTRATION
Title: ORL Nurses' Awareness of Clinical Practice Guidelines
Project Dates and Anticipated Amount of Award: 7/1/14 – 6/30/16; \$373,743

COLLEGE OF NURSING

Adult Health/ Administration

PI: Krouse, Helene J.
Sponsor: Society of Otorhinolaryngology and Head-Neck Nurses
Title: ORL Nurses' Awareness of Clinical Practice Guidelines
Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/16; \$1,500

PI: Gibson-Scipio, Wanda M
Sponsor: BLUE CROSS/BLUE SHIELD OF MI FND
Title: Development of a Mobile Application to Support Transition Readiness of African American Youth with Asthma
Project Dates and Anticipated Amount of Award: 7/14/14 – 7/13/15; \$69,721

Deans Office Nursing

PI: Wilson, Feleta Louise
Sponsor: HEALTH RESOURCES & SERVICES ADMINISTRATION
Title: Addressing the Behavioral Health Care needs of child, adolescents and families through Interprofessional Education
Project Dates and Anticipated Amount of Award: 9/30/14 – 9/29/17; \$526,985
And
Title: Advancing Graduate Nursing Education through Enhanced Technology and Interprofessional Education with Emphasis on Individuals with Multiple Chronic Co
Project Dates and Anticipated Amount of Award: 7/1/14 – 6/30/17; \$374,719

Family, Comm Mental Health

PI: Tate, Nutrena Helene
Sponsor: The NAPNAP Foundation
Title National Child Welfare Workforce Institute
Project Dates and Anticipated Amount of Award: 9/2/14 – 6/30/15; \$2,500

COLLEGE OF SOCIAL WORK

Social Work Instruction

PI: Dayton, Carolyn Joy

Sponsor: International Lactation Consultant Association

Title: Father Support of Breastfeeding in an Urban African American Sample: Investigating Psychosocial Risk and Supportive Factors

Project Dates and Anticipated Amount of Award: 8/1/14 – 7/31/15; \$3,000

LAW SCHOOL

Law Instruction Units

PI: Hammer, Peter Joseph

Sponsor: American Civil Liberties Union

Title: Policing in Michigan Schools

Project Dates and Anticipated Amount of Award: 3/3/14 – 2/27/15; \$10,000

APPLEBAUM COLLEGE OF PHARMACY & HEALTH SCIENCES

Pharmaceutical Sciences

PI: Dutta, Alope Kumar

Sponsor: THE MICHAEL J. FOX FOUNDATION FOR PARKINSON'S RESEARCH

Title: D-512, A Novel Multifunctional D2/D3 Receptor Agonist for the Treatment of PDProject

Dates and Anticipated Amount of Award: 10/16/14 – 10/15/15; \$34,193

PI: Stemmler, Timothy

Sponsor: UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY

Title: Mitochondria-Cytoplasm Interaction for Cytosolic Fe-S Cluster Assembly

Project Dates and Anticipated Amount of Award: 7/1/14 – 4/30/15; \$26,600

Pharmacy Practice

PI: Burghardt, Kyle Jon

Sponsor: UNIVERSITY OF MICHIGAN

Title: Antipsychotic and Folate Pharmacogenetics - Gender Supplement

Project Dates and Anticipated Amount of Award: 6/1/14 – 5/31/15; \$19,745

PI: Davis, Susan Leroque

Sponsor: Durata Therapeutics, Inc.

Title: Acute Bacterial Skin and Skin Structure Infection (ABSSSI) Practice Pattern Assessment

Project Dates and Anticipated Amount of Award: 7/28/14 – 10/28/14; \$7,500

PI: Rybak, Michael Joseph

Sponsor: CUBIST PHARMACEUTICALS, INC.

Title: Patient Outcomes & Burden of Illness with Lower Respiratory Infections in Intensive Care Units

Project Dates and Anticipated Amount of Award: 8/14/14 – 6/30/16; \$151,996.80

PRESIDENT

Office of President

PI: Holt, Anthony Delton

Sponsor: Michigan State Police

Title: Grant No. 21-15 Preventing Auto Theft

Project Dates and Anticipated Amount of Award: 10/1/14 – 9/30/15; \$97,041

PROVOST & VP ACADEMIC AFFAIRS

Urban, Labor, & Metro Affairs

PI: Martin, David Eric

Sponsor: CITY OF DETROIT

Title: DPD COMPSTAT TECHNICAL ASSISTANCE

Project Dates and Anticipated Amount of Award: 5/27/14 – 5/26/15; \$125,000

VP Academic Affairs

PI: Reid, Irvin D.

Sponsor: KRESGE FOUNDATION

Title: CitizenDetroit

Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/15; \$100,000

PI: Winters, Margaret E.

Sponsor: KRESGE FOUNDATION

Title: Undergraduate Student Success Initiative

Project Dates and Anticipated Amount of Award: 6/1/14 – 12/31/15; \$600,000

SCHOOL OF BUSINESS ADMINISTRATION

Management

PI: Somers, Antoinette M.

Sponsor: MICHIGAN WOMEN'S FOUNDATION

Title: Research on Women Entrepreneurs

Project Dates and Anticipated Amount of Award: 3/21/2013 – 3/31/2014; \$5,000

PI: Martin, James Ellsworth

Sponsor: UNITED FOOD AND COMMERCIAL WORKERS

Title: Local 876 Surveys 2014 - 2015

Project Dates and Anticipated Amount of Award: 7/25/14 - 8/15/15; \$26,799

RESEARCH

Institute of Gerontology

PI: Lichtenberg, Peter A.

Sponsor: THE RETIREMENT RESEARCH FOUNDATION

Title: ASSESSING FINANCIAL DECISION-MAKING AND FINANCIAL EXPLOITATION

Project Dates and Anticipated Amount of Award: 10/1/14 – 9/20/15; \$69,075

Institute of Environmental Health Science

PI: Jamesdaniel, Samson

Sponsor: NATIONAL ORGANIZATION FOR HEARING RESEARCH FOUNDATION

Title: Characterization of Lmo4 nitration in ototoxicity

Project Dates and Anticipated Amount of Award: 9/10/14 – 6/30/15; \$17,220.31

Merrill Palmer Institute

PI: Colburn, William Scott

Sponsor: Americana Foundation

Title: Americana Proposal for Freer House

Project Dates and Anticipated Amount of Award: 10/1/14 – 12/31/15; \$40,000

VP Research

PI: Dunbar, Joan Catherine

Sponsor: New Economy Initiative for Southeast Michigan

Title: A New ERA: Expertise, Resources and Awareness Driving Wayne State University
Technology Commercialization

Project Dates and Anticipated Amount of Award: 10/1/14 – 10/31/15; \$500,000
and

Sponsor: UNIVERSITY OF MICHIGAN

Title: T3N POST-DOC

Project Dates and Anticipated Amount of Award: 6/30/14 – 5/31/15; \$12,500
and

Sponsor: UNIVERSITY OF MICHIGAN

Title: T3N-MiR

Project Dates and Anticipated Amount of Award: 8/11/14 – 12/15/14; \$8,000

SCHOOL OF MEDICINE

Anatomy

PI: Holt, Avril Genene

Sponsor: UNIVERSITY OF MICHIGAN

Title: Effective Strategies for Tinnitus Diagnosis and Treatment

Project Dates and Anticipated Amount of Award: 7/18/14 – 6/30/15; \$17,500

Biochemistry

PI: Mitra, Bharati

Sponsor: HENRY FORD HEALTH SYSTEMS

Title: Exploration of Cadmium as an Endocrine Disruptor in Prostate Cancer Disparities

Project Dates and Anticipated Amount of Award: 7/1/14 – 6/30/15; \$114,000

Center Molecular Medicine/Genetics

PI: Lipovich, Leonard

Sponsor: NATIONAL CANCER INSTITUTE

Title: Life, Death, and Function: The Primate-Specific Long Non-Coding RNA Transcriptome

Project Dates and Anticipated Amount of Award: 9/26/14 – 8/31/19; \$2,302,000

PI: Wang, Jiemei

Sponsor: AMERICAN HEART ASSOCIATION/NATIONAL CENTER

Title: MicroRNA regulation of endothelial progenitor cell apoptosis in diabetic wound healing

Project Dates and Anticipated Amount of Award: 6/1/14 – 12/31/14; \$23,334

PI: Luca, Francesca

Sponsor: NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES

Title: Functional Characterization of the Genetic and Environmental Determinants of Complex Traits

Project Dates and Anticipated Amount of Award: 7/15/14 – 5/31/18; \$290,309

PI: Zhang, Kezhong

Sponsor: NORTHWESTERN UNIVERSITY

Title: Simultaneous Targeting of IRE1a in B Cells and Macrophages for Lupus Therapy

Project Dates and Anticipated Amount of Award: 7/1/14 – 5/31/15; \$73,757

Emergency Medicine

PI: Sherwin, Robert Leigh

Sponsor: UNIVERSITY OF MISSISSIPPI

Title: L-Carnitine Treatment for Vasopressor Dependent Septic Shock

Project Dates and Anticipated Amount of Award: 4/3/14 – 5/31/15; \$44,664

PI: Levy, Phillip David

Sponsor: Intersection Medical, Inc.

Title: Fluid Status in Lungs Of Outpatients with Dyspnea (FLOOD)

Project Dates and Anticipated Amount of Award: 6/1/14 – 5/19/15; \$4,500

Family Medicine

PI: Binienda, Juliann

Sponsor: HEALTH RESOURCES & SERVICES ADMINISTRATION

Title: Bridges to Equity: Building Interprofessional Connections for the Public's Health
Project Dates and Anticipated Amount of Award: 8/1/14 – 7/31/15; \$284,712

PI: Neale, Anne Victoria

Sponsor: AGENCY FOR HEALTHCARE RESEARCH AND QUALITY

Title: PRIME Net Center in Practice-based Research and Learning

Project Dates and Anticipated Amount of Award: 9/1/14 -8/31/15; 118,611

Graduate Medicine

PI: Newsom, Emily C

Sponsor: La Roche-Posay

Title: Mapping Toll Like Receptor Activity in Different Stages of Cutaneous T Cell Lymphoma

Project Dates and Anticipated Amount of Award: 6/1/14 – 5/31/15; \$5,000

Immunology & Microbiology

PI: Rosenspire, Allen Jay

Sponsor: NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES

Title: The Role of Mercury Exposures in Describing Central Tolerance

Project Dates and Anticipated Amount of Award: 8/1/14 – 7/31/15; \$481,000

Internal Medicine

PI: Chandrasekar, Pranatharthi H.

Sponsor: Chimerix, Inc.

Title: A Prospective Observational Study for the Long-term Follow-up of Subjects Previously Enrolled in Selected Clinical Studies of CMX001 (¿The Chimerix CM

Project Dates and Anticipated Amount of Award: 9/9/14 – 9/8/15; \$5,650

PI: Chopra, Teena

Sponsor: Medpace Medical Device

Title: A Phase II, Randomized, Double-Blind, Active-Controlled Clinical Study to Investigate the Efficacy and Safety of SMT19969 (200 mg BID) for 10 days Com

Project Dates and Anticipated Amount of Award: 6/27/14 – 6/4/15; \$7,650

PI: Sobel, Jack David

Sponsor: Prosoft Clinical

Title: Symbiomix-A Phase 2, Multi-center, Prospective, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Effectiveness and Safety of SYM-121

Project Dates and Anticipated Amount of Award: 7/2/14 – 6/4/15; \$9,102.80

PI: Kaye, Keith Steven

Sponsor: CUBIST PHARMACEUTICALS, INC.

Title: A Retrospective Cohort Study of Treatment Outcomes in Patients with ST131 Versus non-ST132 ESBL-producing E. coli

Project Dates and Anticipated Amount of Award: 7/9/14 – 6/10/15; \$55,492

PI: Kissner, Dana G.

Sponsor: CYSTIC FIBROSIS FOUNDATION

Title: Cystic Fibrosis Patient Registry 2014-2015

Project Dates and Anticipated Amount of Award: 7/1/14 – 6/30/15; \$44,620

PI: Revankar, Sanjay Gopal

Sponsor: ACTELION PHARMACEUTICALS, LTD.,

Title: A Multi-Center, Randomized, Double-Blind Study to Compare the Efficacy and Safety of Cadazolid Versus Vancomycin in Subjects with Clostridium Difficile

Project Dates and Anticipated Amount of Award: 6/11/14 – 5/7/15; \$13,020

Medical Acad & Student Programs

PI: Mendez, Jennifer

Sponsor: DMC Foundation

Title: Cass Clinic for Underserved Patients

Project Dates and Anticipated Amount of Award: 6/18/14 – 7/17/15; \$10,000

And

Title: Project H: Support for the Homeless at the Wayne County Family Center

Project Dates and Anticipated Amount of Award: 6/18/14 – 7/17/15; \$10,000

Neurology

PI: Khan, Omar A.

Sponsor: NOVARTIS PHARMACEUTICALS CORPORATION

Title: TRANSITION: A two-year observational study to evaluate the safety profile of fingolimod in patients with MS who switch from natalizumab to fingolimod

Project Dates and Anticipated Amount of Award: 10/3/14 – 3/31/19; \$2,000

and

Title: Long-term, prospective, multinational, parallel-cohort study, monitoring safety in patients with MS newly started on fingolimod once daily or treated w

Project Dates and Anticipated Amount of Award: 9/11/14 – 12/15/20; \$2,000

and

Title: Open-Label, Single-Arm Extension Study to the Double-Blind, Randomized, Multicenter, Placebo Controlled, Parallel-Group Study Comparing the Efficacy a

Project Dates and Anticipated Amount of Award: 7/25/14 – 9/30/17; \$2,000

PI: Williams, Mitchel

Sponsor: NOVARTIS PHARMACEUTICALS CORPORATION

Title: A Two Year Double Blind Randomized, Multicenter, Active Controlled Study to Evaluate the Safety and Efficacy of Fingolimod Administered Orally Once Da

Project Dates and Anticipated Amount of Award: 7/8/14 – 6/11/15; \$2,000

PI: Rajamani, Kumar

Sponsor: ASTRAZENECA

Title: A Randomized Double Blind Multinational Study to Prevent Major Vascular Events with Ticagrelor Compared to Aspirin (ASA) in Patients with Acute Ischaemia
Project Dates and Anticipated Amount of Award: 6/27/14 – 6/4/15; \$2,000

Neurosurgery

PI: Harris, Carolyn Anne
Sponsor: Children's Hospital of Michigan Foundation
Title: Integrated Research Program in Hydrocephalus
Project Dates and Anticipated Amount of Award: 9/1/14 – 12/31/15; \$145,000

Obstetrics/Gynecology

PI: Hassan, Sonia Shawky
Sponsor: YALE UNIVERSITY
Title: Development of a Nationally Scalable Model of Group Prenatal Care to Improve Birth Outcomes
Project Dates and Anticipated Amount of Award: 2/20/14 – 12/31/15; \$100,000

PI: Singh, Manvinder
Sponsor: FERRING PHARMACEUTICALS
Title: A Multicenter, Double-Blind, Randomized, Placebo Controlled Study Evaluating Two Doses of Subcutaneous Pulsatile GnRH Administered via OmniPod
Project Dates and Anticipated Amount of Award: 10/8/14 – 8/6/15; \$2,000

PI: Berman, Jay Michael
Sponsor: BAYER HEALTHCARE PHARMACEUTICALS INC.
Title: A Multi-Center, United States Clinical Study to Evaluate Placement Success of the ESS310 Essure System
Project Dates and Anticipated Amount of Award: 7/10/14 – 7/2/15; 10,181.71

Oncology

PI: Cote, Michele
Sponsor: SUSAN G. KOMEN FOR THE CURE
Title: Multidisciplinary Training in the Biology of Breast Cancer Disparities
Project Dates and Anticipated Amount of Award: 10/1/14 – 9/30/17; \$404,997

PI: Flaherty, Lawrence E.
Sponsor: Oregon Health and Science University
Title: SWOG Network Group Operations Center of the NCTN -subcontract site
Project Dates and Anticipated Amount of Award: 3/1/14 – 2/28/15; \$28,369

PI: Hamel, Lauren Melissa
Sponsor: NATIONAL CANCER INSTITUTE
Title: Nonverbal communication of patient and physician racial attitudes and its effect on cancer treatment disparities

Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/15; \$118,611
and

Sponsor: BLUE CROSS/BLUE SHIELD OF MI FND

Title: Analyzing Discussions of Cost between Patients and Oncologists

Project Dates and Anticipated Amount of Award: 8/15/14 – 8/14/15; \$49,533

PI: Schwartz, Ann Grossbart

Sponsor: NATIONAL CANCER INSTITUTE

Title: Profiling Genetic Alterations in NSCLC in African Americans

Project Dates and Anticipated Amount of Award: 9/11/14 – 8/31/16; \$132,240

PI: Swerdlow, Paul Steven

Sponsor: Nanoshell Company, LLC

Title: Haptoglobin Treatment to Reduce Complications of Sickle Cell Disease

Project Dates and Anticipated Amount of Award: 7/1/14 – 6/30/15; \$66,742

PI: Yang, Zeng-Quan

Sponsor: U.S. DEPARTMENT OF DEFENSE

Title: Molecular mechanisms and therapeutic potential of the histone-modifying oncogene
KDM4C in castration-resistant prostate cancer

Project Dates and Anticipated Amount of Award: 9/30/14- 9/29/17; \$561,761

and

Title: Targeting the epigenetic histone code with GASC1: a novel approach for the treatment of
advanced prostate cancer

Project Dates and Anticipated Amount of Award: 9/15/14 – 9/14/15; \$114,000

PI: Kato, Ikuko

Sponsor: NATIONAL CANCER INSTITUTE

Title: TORFP RRSS POC 14-3 Patterns of Care/Quality of Care - Diagnosis Year 2013

Project Dates and Anticipated Amount of Award: 8/15/14 – 8/14/15; \$94,763

PI: Tainsky, Michael Andrew

Sponsor: NATIONAL CANCER INSTITUTE

Title: Diagnostic Assays for OVCA Recurrence using Paraneoplastic Antigens and Epitopes

Project Dates and Anticipated Amount of Award: 7/7/14 – 6/30/16; \$165,300

Ophthalmology

PI: Kumar, Ashok

Sponsor: FIGHT FOR SIGHT, INCORPORATED

Title: Role of Neurotrophins(NTs) in Bacterial Endophthalmitis

Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/15; \$20,000

PI: Suvas, Susmit
Sponsor: NATIONAL EYE INSTITUTE
Title: Corneal Neuropeptides and Herpetic Stromal Keratitis
Project Dates and Anticipated Amount of Award: 9/30/14 – 2/28/18; \$1,306,685

PI: Sosne, Gabriel
Sponsor: PPD DEVELOPMENT, LP /sub of PPD, INC.
Title: A Double-Masked, Randomized, Multicenter, Placebo-Controlled, Parellel Group of SJP-0035 Ophthalmic Solution Compared With Placebo to Assess Safety a
Project Dates and Anticipated Amount of Award: 7/3/14 – 6/4/15; \$2,000

PI: Tewari, Asheesh
Sponsor: PENNSYLVANIA STATE UNIVERSITY
Title: SCORE 2 Comparative Trial
Project Dates and Anticipated Amount of Award: 8/31/14- 12/31/14; \$31,502
and
Sponsor: ThromboGenics
Title: ORBIT- Ocriplasmin Research to Better Inform Treatment (TG-MV-018)
Project Dates and Anticipated Amount of Award: 5/5/14 – 4/2/15; \$2,000

PI: Bahl, Reecha Sachdeva
Sponsor: Knights Templar Eye Foundation, Inc.
Title: Can We Improve Visual Functioning After the Critical Period is Over?
Project Dates and Anticipated Amount of Award: 7/1/14 – 6/30/15; \$55,749

Pathology

PI: Lee, Menq-Jer
Sponsor: U.S. DEPARTMENT OF DEFENSE
Title: Sphingosine-1-Phosphate Receptor Subtype 3: A Novel Therapeutic Target of K-Ras Mutant Driven Non-Small Cell Lung Carcinoma
Project Dates and Anticipated Amount of Award: 9/15/14 – 9/14/15; \$152,000

PI: Sheng, Shijie
Sponsor: NATIONAL CANCER INSTITUTE
Title: Extracellular Maspin Acts as a Regulator of the Tumor Microenvironment
Project Dates and Anticipated Amount of Award: 9/17/14 – 9/16/15; \$37,465

Pediatrics

PI: Chitlur, Meera B
Sponsor: American Thrombosis and Hemostatis Network
Title: My Life Our Future: A Hemophilia Genotyping Initiative Data and Sample Research Repository
Project Dates and Anticipated Amount of Award: 1/1/14 – 12/31/14; \$3,500

And

Sponsor: Queen's University

Title: Validation of the ISTH-BAT (International Society on Thrombosis and Haemostasis Bleeding Assessment Tool) in Hemophilia Carriers

Project Dates and Anticipated Amount of Award: 7/11/14 – 3/5/15; \$4,238.86

PI: Dombkowski, Alan Anthony

Sponsor: U.S. ARMY MEDICAL RESEARCH ACQUISITION ACTIVITY

Title: The role of 5-hydroxymethylcytosine in gene dysregulation of epileptogenic tubers in tuberous sclerosis complex patients

Project Dates and Anticipated Amount of Award: 9/30/14 – 9/29/16; \$149,942
and

Sponsor: Children's Hospital of Michigan Foundation

Title: Development of an accurate genetic test for tuberous sclerosis complex

Project Dates and Anticipated Amount of Award: 8/13/14 – 6/30/15; \$38,952

PI: Lipshultz, Steven Edward

Sponsor: FRED HUTCHINSON CANCER RESEARCH CENTER

Title: ALTE11C2 Study

Project Dates and Anticipated Amount of Award: 9/1/14 – 8/31/15; \$42,921
and

Sponsor: TULANE UNIVERSITY

Title: Coordinating Center for the Pediatrics HIV/AIDS Cohort Study II

Project Dates and Anticipated Amount of Award: 8/1/14 – 7/31/15; \$40,301

PI: Muzik, Otto

Sponsor: NATIONAL INSTITUTE OF DIABETES, DIGESTIVE & KIDNEY DISEASES

Title: Sympathetic innervation of cold-activated brown and white fat in lean young adults

Project Dates and Anticipated Amount of Award: 9/11/14 – 6/30/15; \$304,750

PI: Secord, Elizabeth Ann

Sponsor: WESTAT

Title: Comparing the effectiveness of two alcohol + adherence interventions for HIV+ Youth

Project Dates and Anticipated Amount of Award: 3/1/14 – 8/31/14; \$18,214
and

Sponsor: HEALTH RESOURCES & SERVICES ADMINISTRATION

Title: MAI Outpatient Ambulatory Medical Care - Ryan White HIV/AIDS Treatment Extensions Act of 2009

Project Dates and Anticipated Amount of Award: 6/1/14 – 5/31/15; \$10,089

PI: Wang, Zhihong J
Sponsor: CureSearch
Title: 2013 CTAA Application
Project Dates and Anticipated Amount of Award: 1/1/14 – 12/31/14; \$20,000

PI: Mahajan, Prashant V.
Sponsor: Children's Hospital of Michigan Foundation
Title: Sepsis Identification to Achieve Better Patient Outcomes by Using Pediatric Early Warning Signs (PEWS) as a Reliable Tool
Project Dates and Anticipated Amount of Award: 8/13/14 – 12/31/14; \$8,663

PI: Sarnaik, Sharada A.
Sponsor: QUINTILES, INC.
Title: A Phase II, Multicenter, Randomized, Placebo-Controlled, Double-Blind, 12-Month Study to Assess Safety and Efficacy of SelG1 in Sickle Cell Disease Pa
Project Dates and Anticipated Amount of Award: 8/8/14 – 6/11/15; \$13,903

PI: Sood, Beena
Sponsor: FOOD AND DRUG ADMINISTRATION
Title: Phase 1/2 Study of Aerosolized Survanta for the Treatment of Neonatal Respiratory Distress Syndrome
Project Dates and Anticipated Amount of Award: 8/15/14 – 6/30/18; \$1,099,818

PI: Meert, Kathleen Lynn
Sponsor: Saint Louis University
Title: Testing Feeding Tube Placement in Infants
Project Dates and Anticipated Amount of Award: 5/1/14 – 4/30/16; \$36,438

PI: Qiao, Shan
Sponsor: NORTHWESTERN UNIVERSITY
Title: Center for Prevention Implementation Methods for Drug Abuse and Sex Risk Behavior
Project Dates and Anticipated Amount of Award: 6/1/14 – 5/31/15; \$10,089

PI: Stanton, Bonita
Sponsor: UNIVERSITY OF FLORIDA
Title: Modeling Quantum Change in Adolescent Sexual Initiation and Condom Use
Project Dates and Anticipated Amount of Award: 2/1/14 – 4/30/15; \$4,373

Pharmacology

PI: Lash, Lawrence H.
Sponsor: MICHIGAN STATE UNIVERSITY
Title: Mechanisms of Fibrosis Exacerbation by Trichloroethylene in Hepatic Autoimmunity
Project Dates and Anticipated Amount of Award: 8/1/14 – 7/31/16; \$54,877

PI: Andrade, Rodrigo

Sponsor: Pharma Foundation

Title: Chronic Antidepressant Induced Homeostatic Plasticity of Serotonergic Neurons

Project Dates and Anticipated Amount of Award: 8/1/14 – 7/31/16; \$40,000

Physical Medicine

PI: Millis, Scott Richard

Sponsor: EMORY UNIVERSITY

Title: Dissecting the Cognitive Roles of Hippocampus

Project Dates and Anticipated Amount of Award: 7/1/14 – 4/30/15; \$17,494

Research and Graduate Programs

PI: Stanton, Bonita

Sponsor: UNIVERSITY OF FLORIDA

Title: Social Capital and HIV Risk Behavior Among Rural Migrants in China

Project Dates and Anticipated Amount of Award: 2/1/14 – 4/30/15; \$62,627

VP ECONOMIC DEVELOPMENT

Detroit Revitalization

PI: Donnelly, Graig Aaron

Sponsor: JOHN S. AND JAMES L. KNIGHT FOUNDATION

Title: To Enhance and Promote Local and National Understanding of the Success and Best Practices Employed by the Detroit Revitalization Fellows Program

Project Dates and Anticipated Amount of Award: 7/1/14 – 6/30/15; \$60,000