

SUBMITTED BY:

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

**NEW RESEARCH AWARDS OVER \$49,000
RECEIVED APRIL 2016**

COLLEGE OF ENGINEERING

Department of Chemical Engineering

Principal Investigator: Yinlun Huang

Sponsor: National Science Foundation

Title: RAPID: Chemical treatment efficiency of point-of-use filters deployed in Flint, Michigan

Anticipated Total: \$49,992

Effective Dates: 4/15/2016 - 3/31/2017

Department of Civil Engineering

Principal Investigator: Shawn Patrick McElmurry

Sponsor: National Science Foundation

Title: The Fourth international Conference on Sustainable Chemical Product and Process Engineering, Nanjing, China, May 31-June 3, 2016

Anticipated Total: \$50,000

Effective Dates: 4/1/2016 - 3/31/2017

Principal Investigator: Shawn Patrick McElmurry

Sponsor: National Institute of Environmental Health Sciences

Title: RAPID RESPONSE TO CONTAMINANTS IN FLINT DRINKING WATER

Anticipated Total: \$422,110

Effective Dates: 4/1/2016 - 3/31/2018

Principal Investigator: Christopher Douglas Eamon

Sponsor: State of Michigan Department of Transportation

Title: Developing Representative Michigan Truck Configurations for Bridge Load Rating

Anticipated Total: \$178,688.15

Effective Dates: 3/1/2016 - 2/28/2018

Department of Mechanical Engineering

Principal Investigator: Guru Prasad Dinda

Sponsor: Advanced Powder Solutions, Inc.

Title: Laser Additive Manufacturing of Magnesium Alloys

Anticipated Total: \$57,773

Effective Dates: 4/6/2016 - 12/31/2016

COLLEGE OF LIBERAL ARTS AND SCIENCES

Department of Chemistry

Principal Investigator: David Crich

Sponsor: National Institutes of Health

Title: Shaping Next Generation Aminoglycoside Antibiotics for Treatment of Multidrug-Resistant Diseases

Anticipated Total: \$505,449

Effective Dates: 4/12/2016 - 3/31/2020

Principal Investigator: Jennifer Lynn Stockdill

Sponsor: National Science Foundation

Title: CAREER: Harnessing the Reactivity Neutral Aminyl Radicals for Complex Heterocycle Synthesis

Anticipated Total: \$649,999

Effective Dates: 4/13/2016 - 4/30/2021

Department of Nutrition and Food Science

Principal Investigator: Kequan Zhou

Sponsor: Hamad Medical Corporation

Title: A Postprandial Hyperglycemia-Targeted Nutritional Approach to Prevent Progression of Prediabetes to Type-2 Diabetes

Anticipated Total: \$91,756

Effective Dates: 3/1/2016 - 3/1/2017

Department of Psychology

Principal Investigator: Emily R. Grekin

Sponsor: National Institutes of Health

Title: Optimizing e-interventions for alcohol use: Do common factors apply?

Anticipated Total: \$403,657

Effective Dates: 3/10/2016 - 2/28/2018

COLLEGE OF PHARMACY & HEALTH SCIENCES

Department of Pharmacy Practice

Principal Investigator: Paul Evan Kilgore

Sponsor: National Science Foundation

Title: Microbiome Analysis of Household Biofilm Specimens in Flint, Michigan

Anticipated Total: \$45,012

Effective Dates: 4/13/2016 - 3/31/2017

DIVISION OF RESEARCH

Merrill Palmer Skillman Institute for Child and Family Development

Principal Investigator: Hillary Horn Ratner

Sponsor: Kresge Foundation

Title: Woodward Corridor Early Childhood Consortium: Expanding Community in Detroit

Anticipated Total: \$159,946

Effective Dates: 1/1/2016 - 6/30/2017

Office of the Vice President for Research

Principal Investigator: Joan Catherine Dunbar

Sponsor: New Economy Initiative for Southeast Michigan

Title: New Economy Initiative for Southeast Michigan-Year 4

Anticipated Total: \$250,000

Effective Dates: 3/1/2016 - 3/31/2017

SCHOOL OF MEDICINE

Cardiovascular Research Institute

Principal Investigator: Karin Przyklenk

Sponsor: Novartis Pharmaceuticals Corporation

Title: Serelaxin-mediated cardioprotection in human iPSC-derived cardiomyocytes.

Anticipated Total: \$216,410.85

Effective Dates: 3/16/2016 - 4/30/2017

Department of Emergency Medicine

Principal Investigator: Vijaya Arun Kumar

Sponsor: Janssen Research and Development, Llc

Title: (MERCURY PE - Kumar/SGH) MulticEnter Trial of Rivaroxaban for Early DisCharge of pUlmonaRY Embolism from the Emergency Department

Anticipated Total: \$56,900

Effective Dates: 3/10/2016 - 11/17/2016

Principal Investigator: Robert J. Zalenski

Sponsor: Blue Cross/Blue Shield of Mi Fnd

Title: Upholding Dignity Through Advanced Care Planning: A Trial of Emergency Department based Palliative Care Screening and Consultation

Anticipated Total: \$57,495

Effective Dates: 3/29/2016 - 3/28/2017

Principal Investigator: John Wilburn

Sponsor: Janssen Research and Development, Llc

Title: (MERCURY PE) MulticEnter trial of Rivaroxaban for early disCharge of pUlmonaRY embolism from the Emergency Department

Anticipated Total: \$62,017

Effective Dates: 2/218/2016 - 11/17/2016

Principal Investigator: Phillip David Levy
Sponsor: Gilead Sciences, Inc.
Title: FOCUS MASTER AGREEMENT - Opt-out HIV Screening in an URBAN ACADEMIC
Emergency Department
Anticipated Total: \$388,152
Effective Dates: 3/31/2016 - 3/31/2017

Department of Internal Medicine

Principal Investigator: Stephen Alexander Lerner
Sponsor: Covance, Inc.
Title: An Open-Label, ...Oral Sodium Fusidate (CEM-102) for the Treatment of Staphylococcal Bone or
Joint Infections in Subjects for whom Chronic Antibiotic
Anticipated Total: \$103,124
Effective Dates: 4/14/2016 - 2/10/2017

Principal Investigator: Dana G. Kissner
Sponsor: Chiltern International, Inc.
Title: A Phase 2, Multicenter, ... Study to Evaluate the Efficacy, Safety, and Tolerability of CTX-4430
Administered Orally Once-Daily for 48 Weeks in Adult
Anticipated Total: \$136,249
Effective Dates: 3/9/2016 - 1/27/2017

Principal Investigator: Keith Steven Kaye
Sponsor: Merck Sharp & Dohme Corporation
Title: A Comparison of Fidaxomicin and Oral Vancomycin for the Treatment of Clostridium Difficile
Infection in Hospitalized Patients.
Anticipated Total: \$645,653
Effective Dates: 3/3/2016 - 3/2/2017

Department of Neurosurgery

Principal Investigator: Carolyn Anne Harris
Sponsor: Children'S Hospital of Michigan Foundation
Title: Why Do Shunts Really Fail, and How We Can Prevent Repetitive Surgery for Pediatric Patients
with Hydrocephalus?
Anticipated Total: \$89,950
Effective Dates: 1/1/2016 - 12/31/2016

Principal Investigator: Sandeep Mittal
Sponsor: Roche Glycart Ag
Title: Effect of IDO/TDO Inhibitors on a-methyl-tryptohan (AM) PET
Anticipated Total: 310,716
Effective Dates: 3/3/2016 - 10/2/2017

Department of Oncology

Principal Investigator: Malathy Puthan Veedu Shekhar
Sponsor: Karmanos Cancer Institute
Title: Molecular pathways of PARP inhibitor/platinum therapy resistance in triple negative breast cancers
Anticipated Total: \$50,000

Effective Dates: 5/1/2016 - 4/30/2017

Principal Investigator: Amy M. Weise

Sponsor: Karmanos Cancer Institute

Title: KCI_2015-137_Genentech GO29831: A Phase 1b, Open-Label, Two-Arm Study Evaluating the Safety and Pharmacokinetics of Atezolizumab (Anti-PD-L1 Antibody

Anticipated Total: \$448,891

Effective Dates: 3/25/2016 - 3/24/2019

Principal Investigator: Shirish Gadgeel

Sponsor: Karmanos Cancer Institute

Title: KCI_2015-171_MedImmune D4190C00006: MEDI4736+Tremelimumab in advanced NSCLC

Anticipated Total: \$1,649,955

Effective Dates: 3/22/2016 - 3/21/2019

Department of Pathology

Principal Investigator: Hyeong-Reh C. Kim

Sponsor: National Cancer Institute

Title: PDGF D and Prostate Cancer Bone Metastasis

Anticipated Total: \$1,763,282

Effective Dates: 4/15/2016 - 12/31/2020

Department of Pediatrics

Principal Investigator: Sharada A. Sarnaik

Sponsor: Mast Therapeutics, Inc.

Title: Evaluation of Repeat Administration of Purified Poloxamer 188 in Vaso-Occlusive Crisis of Sickle Cell Disease (EPIC-E)

Anticipated Total: \$150,685

Effective Dates: 3/10/2016 - 7/10/2016

Department of Psychiatry

Principal Investigator: Mary K. Morreale

Sponsor: Karmanos Cancer Institute

Title: Preferences for notification of imaging results among patients with metastatic cancer

Anticipated Total: \$50,000

Effective Dates: 5/1/2016 - 4/30/2017

Department of Surgery

Principal Investigator: Gregory William Auner

Sponsor: Venica Fluid Systems Limited

Title: Raman Liquid Chromatography Project

Anticipated Total: \$300,000

Effective Dates: 4/1/2016 - 12/31/2016