Research Equipment Program

All Awardees

Fall 2016

Matthew Allen, Chemistry
Acquisition of an EDX-7000

Carolyn Harris, Neurology
Novel rotating four dimensional microscopy to determine how and why shunts fail in the treatment of hydrocephalus

Jian Huang, Physics and Astronomy
Quantum electron solids and interation-driven phenomena in two-and one-dimensional systems

Guangzhao Mao, Chemical Engineering and Material Sciences
Acquisition of a Thermogravimetric Analyzer for Nanomaterials Characterization and Drug Delivery

Lori Pile, Biological Sciences
Request for real-time PCR Machine

Winter 2016

Mary Kay Pflum, Chemistry
Typhoon FLA9500 Imager

Mark Ming Cheng-Cheng, Computer Engineering
Acquisition of a Transfer Module to Handle Air-Sensitive Samples in FIB/SEM

Xiaoyan Han, Computer Engineering
Non-ITAR-Controlled Infrared Imaging System

Zhifeng Kou, Biomedical Engineering and Radiology
Cerebral Oxygen Metabolism and Vascular Reactivity after Brain Concussion

Krishnarao Maddipati, Pathology
Selexion Differential Ion Mobility System

Fall 2015

Stephanie Brock, *Chemistry*
Acquisition of a Programmable Critical Point Dryer for Aerogel Formation

Mark Ming-Cheng Cheng, *Electrical and Computer Engineering*
Acquisition of a Critical Point Dryer to Enable MEMS and Nanotechnology Research

Steven Firestine, *Pharmaceutical Sciences Purchase of a benchtop SPR Instrument*

Alexander Gow, *Center for Molecular Medicine & Genetics Volume head coil for mouse 7T MRI*

Linda Hazlett, *Anatomy and Cell Biology Acquistion of TissueLyzer II and TissueLyser Adapter Sets*

Raymond Mattingly, *Pharmacology Acquistion of Table Top Centrifuge*

Sandeep Mittal, *Neurosurgery and Oncology Equipment*
requested: Cellometer K2 Image Cytometer

Hongwhei Zhang, *Computer Science*
Request for Real-time Networked 3D Urban Sensing Platform

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Fall 2014

Mark Ming-Cheng Cheng, Electrical and Computer Engineering
Acquisition of a Nanosecond Laser System for Nanomachining and Brain Mapping Research

Mark Baskaran, Geology
Acquisition of a low-level beta counter

G. Andres Cisneros, Chemistry
Addition of compute nodes to GPU cluster for the Wayne State Grid

Rafael Fridman, Pathology
Discoidin Domain Receptor Kinases New Targets in Cancer

James Granneman, CMMG

CLARIOstar multimode high performance microplate reader: Replacement of core instrument for team science research

Larry Matherly, Oncology
Application for Purchase of Dedicated Real-time PCR

Louis Romano, Chemistry
Microscope camera for single-molecule studies

Michael Rybak, Pharmacy Practice
Equipment Grant Request for digital fluorescent microscope and computerized pneumatic pressurized microfluidic channel plate system for biofilm characterization

Charles Winter, Chemistry
Acquisition of a FTIR with accessories to characterize thin films

Phillip Levy, Emergency Medicine
Accurate Assessment of Cardiac Function in Large Animal Models of Heart Disease

Jinsheng Zhang, Otolaryngology and Communication Sciences and Disorders
Purchase a Fluorescent Microscope