

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 interaction-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

Selecion 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
Acquisition of TissueLyzer II and TissueLyser Adapter Sets*

Raymond Mattingly, *Pharmacology Acquisition
of Table Top Centrifuge*

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

Hongwei 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

