EURECA Spring 2016 Awards

The Office of Undergraduate Research would like to congratulate students and faculty members whose projects were selected for EURECA funding in spring 2016. The awardees are:

**Prothro-Yeager College of Humanities and Social Science**

Andrea Mendoza (English), Julia Brady (Political Science), Alexis Gay (Political Science) and Madeline Parker (Political Science)

Mentors: Drs. Steve Garrison and Linda Veazey

Lisa Dianne Moore (English)

“Bridging the Gap: The Anglo-Saxon Connection between the English and German Languages”
Mentors: Drs. Yvonne Franke, Peter Fields and Tom Galbraith

Catherine Stepniak (Psychology) and Careisha Whyte (Accounting)

“Developing New Newsletter for Association for Applied and Clinical Sociology”
Mentors: Mr. Newman Wong and Dr. Bradley Wilson

Kristen Johnson (History)

“Fort Hood Free Grazers: Central Texas Cattle Ranchers and the Role of Federal Government in the Economic Development of the Post-War American West”
Mentor: Dr. Leland Turner

**College of Science and Mathematics**

Meaghan Rose and Shamberia Thomas (Biology)

“Bacterial Endophytes in Seeds with High Melatonin Content: Survival Implications”
Mentors: Drs. Magaly Rincon-Zachary and James Masuoka

Hunter Wolfe and Jordan Susac (Biology)

“Identification of the ap56f genetic lesion in Drosophila melanogaster”
Mentor: Dr. Jon Scales

Qianying He (Biology) and Yaning Liu (Mechanical Engineering)

“Prevalence of Pathogenic Isolates in Migratory Birds and Transfer to Local Populations”
Mentor: Dr. James Masuoka

Alex Nelson (Geoscience)

“Potential capacity of rainwater harvesting systems on MSU campus”
Mentor: Dr. Rebecca Dodge

Challena Pinckney (Geoscience)

“Further Definition of Granite Intrusions through Subsurface Samples”
Mentor: Dr. Jonathan Price
Magen Brown (Geoscience)
“Exploring granite intrusions in the subsurface”
Mentor: Dr. Jonathan Price

Nanette Philip and Jn Claude Gustave (Mechanical Engineering)
“Large Deflection Non-linear Coefficients of a Free Vibrating Shallow Shell Panel”
Mentor: Dr. Salim Azzouz

Kizelle Williams (Mathematics) and Dareem Antoine (Mathematics and Economics)
“An Application of the Lotka-Volterra Model to Business Competition”
Mentors: Dr. Dale McDonald, Dr. John Martinez and Dr. Robert Forrester

Chanuka Perera and Suman Bhandari (Mechanical Engineering)
“Sodium and Chlorine Ions Concentration Mapping in Saltwater”
Mentor: Dr. Salim Azzouz

Denzel Kinyua and Kentzie Rhodes (Mechanical Engineering)
“Viscosity Measurements for Various Fluids Used in Oil Industry”
Mentors: Drs. Mahmoud Elsharafi and Jeong Tae Ok

Enaho Atamenwan, Paul Yacho, Indeesha Wickramarachchi, Abdullah Albakhurji and Rojitha Goonesekere (Mechanical Engineering)
“MSU Smart Parking System”
Mentor: Dr. Yu Guo

Xitong Li, Danny Chen, and Mpathi Nzima (Mechanical Engineering)
“Vision Based Feedback Control of a Multi-DOF Robot via Bluetooth”
Mentor: Dr. Yu Guo

Daniel Goodey and Kiran Chapagain (Mechanical Engineering)
“Computational Study of Film boiling Droplet Motion on Micro- and Nanoscale Ratchets”
Mentors: Drs. Jeong Tae Ok, Yu Guo and Sheldon Wang

Cody Chancellor, Connor Kirby and Jenom Pyeng (Engineering)
“Evaluate the Effect of pH on the Mixed Brine and Chemical Solutions”
Mentors: Drs. Mahmoud Elsharafi and Jeong Tae Ok

Latham Moody Tomas Grejtak (Mechanical Engineering)
“Beam Column Buckling Issues and Material or Structural Failures”
Mentor: Dr. Sheldon Wang

William Statham (Mechanical Engineering)
“Aquaponics: The Future of Farming”
Mentor: Dr. Sheldon Wang
Seth Witherspoon (Mechanical Engineering)
“Modeling and Simulation of a Novel Stirling Engine”
Mentor: Dr. Martin Melhus

Sachithra Weerasooriya (Physics)
“Investigating the Nature of Dwarf Spiral Galaxies”
Mentor: Dr. Jacqueline Dunn

Robert D. & Carol Gunn College of Health Science & Human Services
Britney Beasley and Jordan Spurlock (Nursing)
“Interdisciplinary Undergraduate Student Collaboration to Promote Health Eating and Active Living Among Elementary School Children”
Mentors: Dr. Julia Knauff and Ms. Catherine Pankonien

Dillard College of Business Administration
Curtis Knobloch (Finance)
“Oil Price Shocks: Estimating GDP, Local Income and Employment Effects on the North Texas Regional Economy”
Mentors: Drs. John Martinez and Dr. Robert Forrester

Luca Lalor (Finance and Economics)
“U.S. Foreign Direct Investment, De Jure and De Facto Exchange Rate Regimes in Emerging Economies”
Mentor: Dr. Pablo García-Fuentes

William R. Ash (Business Administration)
“Remittances Effect on Poverty in Developing Countries: The Human Capital Impact”
Mentor: Dr. Pablo García-Fuentes

Kevin Thompson (Economics)
“On the effect of Remittances and Human capital on Financial Development in Developing Countries”
Mentor: Dr. Pablo García-Fuentes

Adam Leikness (Management), Aubrey Kass (Accounting) and Wadzanai Dzvurumi (Marketing)
“Turning up the Heat on Volunteer Motivation: A Study Examining What Makes America’s Most Famous Triple Digit Weather Bike Race so Attractive for Its’ Volunteers”
Mentor: Dr. Niyati Kataria

West College of Education
Nikki Bussue (Special Education) and Melissa Whitwood (Education)
“Integrating Children’s Literature in Elementary Math Methods: Fostering Understandings and Connections”
Mentor: Dr. Dittika Gupta

Jarred Garcia (Education)
“Understanding the Influence of Instructor Strategies to Self-Regulation and Engagement of the Millennial College Student”
Mentor: Dr. Suzanne Lindt
Lamar D. Fain College of Fine Arts
Robin Reid (Mass Communication)
“Establishing Literary Journalism in the Curriculum”
Mentor: Dr. Mitzi Lewis

Emma Griffiths (Art)
“Constructing an Online Studio Art Class: Transitioning from a Conventionally Taught Drawing Course to an Online Class Using iPads”
Mentor: Dr. Elizabeth A. Yarosz-Ash

Cross-Disciplinary Student Team
“With Your Hands”
Mentor: Dr. Martin Camacho