2016-2017 COR LARGE GRANTS

Sangtae Berry
Chemical Engineering & Material Sciences
Project title: A Noble Approach to Enhance the Conductivity of Solid Electrolytes for Low-Temperature Solid Oxide Fuel Cell Applications: Optimization of Lattice Strain by Nano-structuring.
$24,501.00

Ozcan Campbell
Chemistry
Project title: Shedding Light on Undergraduates' Unsatisfactory Problem Solving Performance in Stem: The Role of Knowledge Structure, Knowledge Retention, and Misconceptions
$21,318.00

Kyrylo Collins
Chemistry
Project title: Heat Conductors Better Than a Diamond: Myth or Reality?
$12,921.00

Glenda Drew
Design Program
Project title: Stories of Solidarity
$20,000.00

Qi Farmer
Environmental Toxicology
$25,000.00

Ian Grandia
History
Project title: The Bleeding Edges: Massacres and the Making of Russian Imperialism, 1800-1917
$10,834.00

Garving Gulacar
Mathematics
Project title: Implementing Fast Algorithms for Solving Practical Problems
$11,500.00

Glenn Jones
MED: Ophthalmology
Project title: Optogenetic Control of Reactive Oxygen Species in a Model of Geographic Atrophy in Age-Related Macular Degeneration
$25,000.00

Yu-Jui Kim
MED: Pathology & Laboratory Medicine
Project title: Colon Cancer Carcinogenesis Controlled by Bacterial and Host metabolites
$25,000.00
Jon Kovnir  
MED: Physiology & Membrane Biology Anesthesiology & Pain Medicine  
Project title: Probing Life's Transistors with Fluorescence Microscopy  
$25,000.00

Jian-Jian Li  
MED: Radiation Oncology  
Project title: CD47 As the Binary Radio-immunotherapy for Breast Cancer  
$25,000.00

Diana Luli  
MED: Surgery  
Project title: Minimally Invasive Photo-Nanotherapeutics for the Treatment of Infantile Hemangiomas  
$25,000.00

Sean Pan  
Microbiology & Molecular Genetics  
Project title: Understanding the Origins of Autoimmune Disease: Unraveling the Mechanisms of DNA Extrusion by Neutrophils During Immune Responses  
$25,000.00

Liza Sack  
Native American Studies  
Project title: None provided  
$25,000.00

Dong Solari  
Physics  
Project title: Disorder Induced Spin Generation in Topological Insulators  
$25,000.00

Alison Wan  
Plant Sciences  
Project title: Applying a Bioinformatics Strategy to Genome and Transcriptome Datasets to Elucidate the Evolutionar Origin of Root Nodule Symbiosis in Plants  
$12,813.00

Bradford Yiu  
Political Science  
Project title: Latinos Beliefs About Stereotypes and Discrimination  
$24,413.00

Emily Yu  
School of Education  
Project title: Autism Reading Intervention Project: Pilot Study  
$25,000.00

Ning Zhang  
Textiles & Clothing  
Project title: A Smart Bandage in Functional Compression Management for Deep Vein Thrombosis  
$15,000.00