

## 2016 Undergraduate Summer Research Awards

Faculty Investigator(s)	College	Title of Proposal	Total Funded
Neuendorf, Kimberly/Rudd, Jill	CLASS	The Incarcerated Mother's Journey: The Role of Video Journaling	\$ 8,560.00
Rose, Shelley/Souther, J. Mark	CLASS	Protest Voices: Using Activist Oral Histories to Teach Historical Thinking	\$ 7,560.00
Shukla, Girish	COSHP	RNA-RNA interactions in the precursor messenger RNA Splicing	\$ 6,524.00
Yuan, Fasong	COSHP	Oxygen Isotope Composition of Dissolved Phosphate in the Cuyahoga River	\$ 6,780.00
Börner, G. Valentin	COSHP	Understanding Inheritance from Experiments on Gamete Formation	\$ 7,540.00
Weyman, Crystal	COSHP	Novel transcriptional and translational regulation of the pro-apoptotic protein PUMA	\$ 7,768.00
Dean, Jeffrey	COSHP	The Visual Orientation and Attack Fields of African Clawed Toads	\$ 7,860.00
Li, Bibo	COSHP	Expression of recombinant TbRAP1 fragments for in vitro nucleotide binding analyses	\$ 9,750.00
Sam-Yellowe, Tobili	COSHP	Protein trafficking and membrane topology of Plasmodium falciparum rhoptyr and Maurer's cleft proteins	\$ 10,646.00
Su, Bin	COSHP	The identification of anti-cancer molecular targets of COX-2 inhibitor Nimesulide	\$ 5,000.00
Sun, Xue-Long	COSHP	Design and Synthesis of Lectin Mimetics (Neo-Lectins)	\$ 6,780.00
Wendland, Madalynn/Sabet, Andrina	COSHP	Changes in Movement and Socialization Behaviors During Mobility Interventions in Toddlers with Down Syndrome	\$ 7,298.97
Su, Anne	COSHP	Variation of bone microarchitecture within and among contemporaneous species of fossil horses	\$ 7,850.00
Reinthal, Ann/Espy, Debbie	COSHP	Aggressive harnessed balance training with balance impaired adults	\$ 9,565.00
Bickel, Jessica	COSHP	Driving Crystallization of Organic Molecules via Surface Reconstructions	\$ 5,310.00
Heus, Thijs	COSHP	Reconciling the various definitions of cloud size	\$ 7,560.00
Streletzky, Kiril/Fodor, Petru	COSHP	Correlating temperature controlled wet-sample electron microscopy with light scattering spectroscopy on the example...	\$ 8,560.00
Smith, Albert F.	COSHP	Further Investigation of Holistic Aspects of Word Perception	\$ 5,840.00
Huang, Grace/Gove, Mary/Kolosionek, Diane	Education	Parenting and Children's Academic Performance with a Multiethnic Perspective	\$ 8,331.00
Ferguson, Robert/Holland, Nolan/ Streletzky, Kiril	Education/ENG/COSHP	Protein Design for High School Students: The Design and Characterization of Nanoparticle Forming Polypeptides and ...	\$ 11,340.00
Wirth, Christopher/Bickel, Jessica	ENG/COSHP	Scalable Assembly of Anisotropic Nanomaterials onto Corrugated Substrates	\$ 5,941.00
Belovich, Joanne/Xu, Yan	ENG/COSHP	Lipid composition changes during adaptation of the freshwater alga S. dimorphus to saltwater	\$ 10,480.00
Kothapalli, Chandra	Engineering	Development of Micromixer-based Microreactors for Nanoparticle Synthesis	\$ 8,560.00
Lee, Moo-Yeal	Engineering	Cancer Cell Migration Assays via 3D Bioprinting	\$ 9,396.00
Holland, Nolan/Lee, Moo-Yeal	Engineering	Polypeptide Hydrogels for Bioprinting Applications	\$ 9,000.00
Jenkins, Jacqueline	Engineering	Explaining Simulator Sickness	\$ 3,780.00
Zhao, Wenbing	Engineering	Towards a More Dependable Integrated Clinical Environment	\$ 4,380.00
Zhao, Wenbing	Engineering	A Human-Centered Activity Tracking Service towards a Healthier Workplace	\$ 4,780.00
Wang, Haodong/Sang,Janche	Engineering	GPU-assisted High Performance Public-key Encryption	\$ 7,560.00
Richter, Hanz	Engineering	Ground Reaction Force Estimation by Kinematics and Calibration	\$ 3,775.00
Richter, Hanz	Engineering	Design and Prototyping of a Transfemoral Prosthesis Attachment for Able-Bodied Subjects	\$ 4,475.00
Schearer, Eric	Engineering	Non-Expert Training of Neuroprostheses for Functional Reaching	\$ 7,560.00
Ibrahim, Mounir/Williams, George	Engineering	Characterization of Aerospike Nozzle Flows	\$ 7,560.00
Salling, Mark	Urban	The Digitization of and Research with Real Estate Archival Records	\$ 6,300.00
<b>Total Amount Funded</b>			<b>\$ 249,969.97</b>