

## 2013 Undergraduate Research Awards

Students Supported	Name of Person Submitting	College	Title of Proposal	Total Funded
1	Belovich, Joanne	Engineering	Adaptation of the freshwater algae Scenedesmus Dimorphus to saltwater	\$5,280
1	Berdis, Anthony	COSHP	Testing the Efficacy of New Anti-Cancer Agents against Brain Cancers	\$6,780
2	Borner, Valentin	COSHP	Function of two novel chromosome segregation genes in the germ line	\$10,300
1	Cory, Stephen	CLASS	Conquerors from the East	\$4,380
1	Dean, Jeffrey	COSHP	Analysis of Turning Behavior in the African Clawed Frog	\$3,250
2	Delatte, Norbert	Engineering	Nondestructive Evaluation of Pervious Concrete	\$7,560
2	Espy, Debbie	COSHP	Design, Build and Testing of a Surface Translation Balance Training Device	\$5,484
3	Gatica, Jorge	Engineering	"Catalytic Gasification as a Waste Management and in-Situ Resource Utilization (ISRU) Alternative"	\$8,760
2	Gogonea, Valentin	COSHP	Combining orthogonal tRNA/synthetase pair and amber codon suppression to genetically encode oxidative damage in high density lipoproteins	\$9,760
1	Hoffman, Barbara	CLASS	Gendered Health, Reproduction, and Biosociality: An Exploration of Senegalese Men's Health-Related Schemata & Praxis	\$3,170
2	Holland, Nolan	Engineering	Controlling the Size and Shape of Polypeptide Colloidal Particles	\$9,160
4	Holsinger, Holly	CLASS	Intersections (The Ancestra Project)	\$4,620
1	Jenkins, Jacqueline	Engineering	Practice Scenario for the CSU Driving Simulator	\$3,980
1	Koksal, Ayca	CLASS	Female Labor Force Participation and Economic Development in Developing Countries: Case Study of Turkey	\$3,780
2	Krebs, Robert	COSHP	Assessing gene flow and its general application to genetic variation in declining populations of freshwater mussels	\$6,040
1	Lammers, Andrew	COSHP	Biomechanics of locomotion and stability on tree branches	\$3,943
2	Li, Bibo	COSHP	Validating TbRAP1-Interacting Candidates	\$9,000
5	Neuendorf, Kimberly	CLASS	FRAMES: Film Research-Advanced Methods for Empirical Study	\$9,600
2	Reinthal, Ann	COSHP	Initial feasibility testing of a system to provide home exercise guidance	\$8,760
1	Severson, Aaron	COSHP	Novel methods to study genes with multiple functions	\$5,780
2	Simon, Dan	Engineering	Evolutionary Optimization of Problems with High Computational Requirements	\$7,560

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2	Slifkin, Andrew	COSHP	Motor System Markers of Depression Severity	\$5,790
2	Smith, Albert	COSHP	Holistic Aspects of Word Perception	\$6,648
3	Souther, Mark	CLASS	Music and the African American Experience in Cleveland: Oral History and Digital Exhibition	\$8,400
2	Streletzky, Kiril	COSHP	AFM imaging and electrochemical/light scattering study of polymeric microgels loaded with a drug prototype	\$9,560
2	Su, Bin	COSHP	Synthesis and anti-prostate cancer activity of Hsp27 inhibitors	\$11,560
1	Tewari, Surendra	Engineering	Live-cell-imaging of bone-forming Osteoblast cells on metals commonly used as orthopedic implants.	\$4,980
3	Wanyerka, Phil	CLASS	History and Archaeology at Irishtown Bend: Life in a Nineteenth Century Cleveland Irish Community	\$6,775
2	Wei, Robert	COSHP	Arsenic uptake in Polystichum acrostichoides (Christmas fern) and identification of stress proteins.	\$8,140
2	Wolin, Julie	COSHP	Harmful Algae, Historic Microcystin Concentrations, and shoreline Buffers in Urban Lakes of Cuyahoga County	\$10,800
2	Yamamoto, Naohide	COSHP	Space Perception across the Lifespan	\$9,760
1	Yuan, Fasong	COSHP	Studying Climate Change from Oxygen Isotope of Kettle Lakes in Northeast Ohio	\$6,780
2	Zhao, Wenbing	Engineering	An American Sign Language Translation System Based on Kinect	\$8,160
2	Zhou, Haigang	Business	Quadrophobia, analyst recommendations, and financial reporting system	\$7,560
2	Zhu, Ye	Engineering	Protecting Security and Privacy of smartphones/Tablets	\$7,960
			Total	\$249,820