

## 2014 Undergraduate Summer Research Awards

Students Supported	Faculty Investigator(s)	College	Title of Proposal	Total Funded
2	Haodong Wang	Business	Building an Autonomous Robotic Security Guard	\$7,660.00
4	Cheryl Bracken	CLASS	A Content Analysis of the Little Cigars and Cigarillos Social Media Milieu	\$10,000.00
5	Kimberly Neuendorf/Jill Rudd	CLASS	FRAMES: Film Research--Advanced Methods for Empirical Study	\$10,000.00
3	Mark Souther/Regennia Williams	CLASS	Oral History, Mobil Curation, and African American Memory in Cleveland's Fairfax & Glenville	\$10,000.00
3	Phil Wanyerka	CLASS	The History and Archaeology of Cleveland's Historic Central Market District	\$7,329.00
1	Russ Borski/Terry Pieritz/Lynn Deering	CLASS	Documentation and Development of Digital Resource for the Art of "Muppet" Puppetry	\$3,528.00
1	Shelley Rose	CLASS	Connecting Historical Thinking and Technology in the Classroom	\$3,805.00
1	Aimin Zhou	COSHP	RNase L is involved in foam cell formation	\$7,980.00
2	Albert Smith	COSHP	Holistic Aspects of Word Perception	\$6,648.00
2	Andy Slifkin	COSHP	Aging, Task Difficulty, and the Structure of Motor System Output	\$5,790.00
2	Anne Su	COSHP	Regional variation of trabecular bone properties within the human lumbar vertebra	\$9,200.00
2	Anthony Berdis	COSHP	Animal Studies Validating the Utility and Safety of a Novel Agent Against Brain Cancer	\$7,560.00
2	Bibo Li	COSHP	Validating TbTIF2-interacting Candidates	\$10,000.00
2	Bin Su	COSHP	Cholesterol conjugated HDAC inhibitors for triple-negative breast cancer	\$10,000.00
1	Crystal Weyman	COSHP	Novel role for MyoD as a sensor of DNA damage	\$7,700.00
2	Kiril Streletzky/Nolan Holland	COSHP	Controlling micelle formation using mixtures of linear and foldon-capped polypeptides (ELP)	\$9,060.00
1	Mekki Bayachou	COSHP	Role of lipid membranes in modulating the activity of endothelial nitric oxide synthase	\$7,130.00
1	Stanley Hazen/Joseph DiDonato	COSHP	Genetically encoding oxidative damage site-specifically into apoA1 at Tryptophan 72	\$3,780.00
1	Xiang Li	COSHP	Anatomy-Based Transmission Factors for Technique Optimization in Chest Radiography	\$5,082.00
2	Xue-Long Sun	COSHP	Fabrication and Characterization of Cell Membrane Mimetic System	\$8,780.00
3	Ann Reinthal/Debbie Espy/Nigamanth Sridhar	COSHP/Eng	Utilization of feedback from inertial vs. Kinect sensors in improving exercise accuracy	\$11,190.00
4	Eddie T.C. Lam/Emily Kullman/Ken Sparks	Education	Comparison of Electronic and Mechanical Handgrip Devices in Lowering Blood Pressure	\$10,192.37
2	Grace Huang/Mary Gove	Education	Asian Parenting Styles and Academic Achievement Through the Eyes of Chinese Language Teachers	\$6,029.00
4	Ken Sparks/Emily Kullman/Tak Lam	Education	Fun versus practical: Physiological Responses and Preference of Exercise Equipments	\$8,985.00
2	Robert Ferguson	Education	Investigating the impact of the Deeper Learning Curriculum on High School Students' understanding of Drug Discovery	\$8,000.00
2	Dan Simon	Engineering	Multi-Objective Optimization for Prosthesis Design and Control	\$7,560.00
2	Hanz Richter	Engineering	Instrumentation and Modeling of a Prosthesis for Ankle-Knee Energy Transfer Studies	\$7,560.00
1	Jacqueline Jenkins	Engineering	Is learning to drive a simulator task dependent?	\$4,730.00
3	Jorge Gatica	Engineering	Reaction Engineering Routes to Waste Gasification for Sustainable Living Environments	\$10,000.00
2	Moo-Yeal Lee	Engineering	High Content 30 Cell Culture Assays for Mechanistic Toxicology	\$10,000.00
1	Nolan Holland	Engineering	Can elastin-like polypeptides be used as drug carrier material?: A compatibility study	\$4,500.00
1	Surendra Tewari	Engineering	Live imaging of bone forming cells on nanotextured and human-hair-protein-coated titanium surfaces	\$5,780.00
1	Ye Zhu	Engineering	Security of Smartphone Communications	\$4,280.00
68			<b>Total Amount Funded</b>	<b>\$249,838.37</b>