

2015 Undergraduate Summer Research Awards

Students Supported	Faculty Investigator(s)	College	Title of Proposal	Total Funded
1	Janche Sang	Business	Parallel Selection Algorithms on GPGPU: Implementation and Performance Comparison	\$3,780.00
2	Shelley Rose and Mark Souther	CLASS	History Speaks: Using Oral Histories to Teach Historical Thinking	\$7,610.00
2	Phillip Wanyerka	CLASS	Archaeological Investigations in the Cuyahoga Valley National Park	\$6,138.50
1	Lynn Deering	CLASS	Digital Archiving of the Dance Artist's Creative Process and Vision	\$5,244.00
2	Debbie Espy and Ann Reinthal	COSHP	Can we increase the intensity of proactive balance exercises?	\$6,721.00
2	Xue-Long Sun	COSHP	Comparative Investigation of Chemical and Enzymatic Desialylation	\$8,500.00
2	Valentin Boerner	COSHP	Role of Programmed Protein Degradation in Chromosome Segregation	\$8,500.00
2	Bibo Li	COSHP	Functions of TbTIF2 phosphorylation modifications	\$8,500.00
2	Jeff Dean	COSHP	Choice by the African clawed toad when presented with two stimuli	\$4,080.00
3	Andrew Resnick	COSHP	Statics and Dynamics of the Primary Cilium	\$8,500.00
2	Kiril Streletzky and Petru Fodor	COSHP	Polymeric microgel characterization with light scattering and wet-sample electron microscopy	\$8,500.00
2	Albert Smith	COSHP	Continuing Investigation of Holistic Aspects of Word Perception	\$6,648.00
3	Julie Wolin	COSHP	Cleveland Neighborhood Green Infrastructure Stormwater Assesment and Planning	\$8,500.00
2	Bin Su	COSHP	Lead optimization to improve the ligand efficiency of tubulin inhibitors for cancer treatment	\$8,500.00
2	Ilya Yaroslavsky	COSHP	Social System Processes in Borderline Personality and Asperger Disorder	\$8,500.00
1	Aaron Severson	COSHP	Tethering and releasing chromosomes during the formation of sperm and eggs	\$3,780.00
1	Tony Berdis	COSHP	Developing Diagnostic Tests to Predict Responses to Nucleoside Analogs	\$7,000.00
1	Aimin Zhou	COSHP	The role of TMC01 in cancer Biology	\$8,500.00
1	Crystal Weyman	COSHP	Novel regulation of the pro-apoptotic protein PUMA in response to hypoxia	\$8,068.00
2	Maureen Whitford and Eric Schearer	COSHP and Engineering	Quantification of Amount of Upper Extremity Use in Individuals Post-stroke in the Home	\$8,500.00
4	Eddie T.C. Lam and Ken Sparks	Education	Cardiorespiratory Responses Between the RowBike and the Rowing Machine	\$8,500.00
1	Norbert Delatte	Engineering	Laboratory and Field Testing of High Performance Repair Materials	\$3,780.00
2	Wei Zhang	Engineering	Characterization of Rotor Aerodynamics of the Laboratory-scale Miniature Wind Turbines	\$7,560.00
2	Nolan Holland	Engineering	Protein-Based Theranostic Nanoparticles	\$8,500.00
1	Surendra Tewari	Engineering	Effect of solidification through cross-section change on dendritic array in single crystal casting	\$5,280.00
2	Christopher Wirth	Engineering	Tailoring the Microstructure of Soft Materials with Complex Colloidal Particles	\$8,500.00
3	Jorge Gatica	Engineering	Reaction Engineering Routes to Waste Gasification for Sustainable Living Environments	\$8,500.00
2	Ye Zhu	Engineering	On Security and Privacy of 4G Communications	\$4,280.00
1	Jason Halloran	Engineering	Automated Pipeline for Tissue Relieving Subject-Specific Prosthetic Sockets	\$4,780.00
2	Dan Simon	Engineering	Humanoid Robot Vision and Control	\$7,560.00
2	Moo-Yeal Lee	Engineering	3D Bioprinting for Tumor Tissue Engineering	\$8,500.00
1	Pong Chu	Engineering	Integrating an Android Device into Embedded Computer Systems	\$4,080.00
1	Mehdi Jalalpour	Engineering	Spatiotemporal forecast models for influenza	\$3,480.00
2	Jacqueline Jenkins	Engineering	How much Practice is Enough?	\$7,810.00
2	Wenbing Zhao and Glenn Goodman	Engineering and COSHP	Towards Safer Patient Handling among Workers in Nursing Homes	\$8,500.00
2	Joseph Mead	Urban	Plagiarism Policies & Punishment	\$6,300.00
66			Total Amount Funded	\$249,979.50