

## 2010 Undergraduate Research Funded Proposals

Name of Person Submitting	College	Department	Title of Proposal	Amount for Students	Other	Amount Funded	Students Supported		
Chen, Injazz	Business	Operation Mgmt & Bus	CO2 Emissions and Carbon Mitigation in China	\$ 2,110.00	\$ 200.00	\$2,310.00	1		
Dixit, Ashutosh	Business	Marketing	A Meta-Analysis of Commitment and Credibility Signal	\$ 2,532.00	\$0.00	\$2,532.00	2		
Aspelin, Paul	CLASS	Anthropology	Analyzing Archaeological Remains from the Gateway Construction Site, Cleveland Ohio	\$ 8,018.00	\$ 1,980.00	\$9,998.00	4		
Gosselin, Adrienne	CLASS	English	Language Arts and Prevention Assessment for At-Risk Youth	\$ 3,323.25	\$ 676.75	\$ 4,000.00	1		
Mauldin, Michael	CLASS	Drama	Summer Stages Apprentice Program	\$ 15,000.00		\$15,000.00	5		
Neuendorf, Kim	CLASS	Communications	FRAMES: Film Research-Advanced Methods for Empirical Study	\$ 10,128.00	\$ 1,872.00	\$12,000.00	5		
Lam, Eddie T. C.	Education	Health, Phys Educ, RCR, Dance	Effects of the CardioGrip and Isometric Contraction on Lowering Blood Pressure	\$ 6,330.00	\$ 4,670.00	\$ 11,000.00	4		
Patterson, Sheila	Education	Health, Phys Educ, RCR, Dance	Assessing Balance Improvement in Post-Stroke Adults Using the Panasonic Core Balance Trainer	\$ 4,642.00	\$ 1,758.00	\$ 6,400.00	2		
Volk, Dinah	Education	Teacher Education	Home and Community Literacies of Young English Language Learners	\$ 5,064.00	\$ 1,700.00	\$ 6,764.00	2		
Belovich, Joanne	Engineering	Chemical & Biomedical Eng.	Algae Lipid Kinetics for Optimal Biofuel Productivity	\$ 3,798.00	\$ 1,302.00	\$ 5,100.00	1		
Delatte, Norbert	Engineering	Civil	Learning from Failures	\$ 3,165.00		\$ 3,165.00	1		
Delatte, Norbert	Engineering	Civil	Sustainable Construction Processes	\$ 3,165.00		\$ 3,165.00	1		
Gatica, Jorge	Engineering	Chemical & Biomedical Eng.	Characterization of Chemical Vapor Deposition Processes by Spectroscopic Methods	\$ 3,798.00	\$ 902.00	\$ 4,700.00	1		
Gorla, Rama	Engineering	Mechanical	Hybrid Solar and Wind Energy Systems for Rural Electrification	\$ 3,165.00		\$ 3,165.00	1		
Simon, Dan	Engineering	Electrical & Compute Eng.	Distributed Intellgence in Robots	\$ 10,761.00	\$ 729.00	\$ 11,490.00	3		
Sridhar, Nigamanth	Engineering	Electrical & Compute Eng.	Enabling Pervasive Paricipatory Sensing Applications	\$ 15,192.00	\$ 1,500.00	\$ 16,692.00	4		
Ball, David	Science	Chemistry	Computational Investigation of New High Energy Materials Based on Urea Derivatives	\$ 7,596.00	\$ 1,600.00	\$ 9,196.00	2		
Boerner, Valentin	Science	BGES	Chromosome Segregation During Gametogenesis	\$ 6,330.00	\$ 4,470.00	\$ 10,800.00	2		
Fodor, Petru	Science	Physics	Fabrication nad Characterization of Micromixers with Biomedical Applications	\$ 6,330.00	\$ 4,500.00	\$ 10,830.00	2		

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Kalafatis, Michael	Science	Chemistry	Functional Domains of Coagulation Factor Va	\$ 6,965.00	\$ 7,000.00	\$ 13,965.00	2		
Lammers, Andrew	Science	Health Science Dept	Dynamics of Stability During Locomotion in Small Mammals	\$ 2,743.00	\$ 100.00	\$ 2,843.00	1		
Li, Bibo	Science	BGES	Characterize the Interaction Between human RAP1 and TRF2	\$ 3,798.00	\$ 3,114.00	\$ 6,912.00	1		
Pershey, Monica Gordon	Science	Health Science Dept	A Study of Symmetrical and Asymmetrical Gestures	\$ 523.00	\$ 102.00	\$ 625.00	1		
Pershey, Monica Gordon	Science	Health Science Dept	A Proposal for the Development of an Augmentative and Alternative Communication Lab within the CSU Speech and Hearing Clinic	\$ 523.00	\$ 102.00	\$ 625.00	1		
Reinthal, Ann	Science	Physical Therapy	Motion Analysis of Individuals Post Stroke Who are Participating in the Video Gaming Multi-Site Study	\$ 3,482.00	\$ 596.00	\$ 4,078.00	1		
Resnick, Andrew	Science	Physics	The Primary Cilium is a Center of Cellular Signaling	\$ 3,376.00	\$ 500.00	\$ 3,876.00	2		
Sam-Yellowe, Tobili	Science	BGES	Establishment of Threshold Values for Detection of Cytokines, Immunoglobulins and Malaria Antigens using Immunoassays and Dielectric Analysis	\$ 10,634.00	\$ 8,514.00	\$ 19,148.00	3		
Shukla, Girish	Science	BGES	Endogenous Targets of miR 488* microRNA in Prostate Cancer	\$ 3,038.00	\$ 4,000.00	\$ 7,038.00	1		
Streletzky, Kiril	Science	Physics	Translation and Rotation of Proteins and Biopolymers in Bio-Solvents	\$ 7,976.00	\$ 500.00	\$ 8,476.00	3		
Streletzky, Kiril	Science	Physics	Design and characterization of Thermally Responsive Nanoparticles	\$ 7,596.00	\$ 1,500.00	\$9,096.00	2		
Sun, Xue-Long	Science	Chemistry	Synthesis and Characterization of Antithrombotic Protein Conjugates	\$ 3,800.00	\$ 4,000.00	\$ 7,800.00	2		
Van Keulen, Harry	Science	BGES	Proteomic Study on the Mechanisms of Arsenic Uptake by Pteris Vittata (Chinese Brakefern)	\$ 6,330.00	\$ 1,013.00	\$ 7,343.00	2		
Vitali, Jacqueline	Science	Physics	Structural Studies of an Aspartate Transcarbamoylase	\$ 3,039.00	\$ 1,000.00	\$ 4,039.00	1		
Wei, Robert	Science	Chemistry	Oxygen-Radical-Induced Structural and Functional Impairments of Model Protein (Chymotrypsin)	\$ 6,330.00	\$ 1,285.00	\$ 7,615.00	2		
Wolin, Julie	Science	BGES	Larval Fish Habitat Enhancement Assessment in the Cuyahoga Navigation Channel	\$ 3,640.00	\$ 2,950.00	\$ 6,590.00	1		
Yamamoto, Naohide	Science	Psychology	Systems Analysis of Distance Perception through Self-Motion Sensess	\$ 6,077.00	\$ 870.00	\$ 6,947.00	2		

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Yuan, Fasong	Science	BGES	Environmental and Climatic Changes in the Tibetan Plateau from Lake Water Chemistry	\$ 6,647.00	\$ 2,150.00	\$ 8,797.00	2		
Zhou, Aimin	Science	Chemistry	Identification of Biomarkers for Ovarian Cancer	\$ 3,150.00	\$ 3,460.00	\$ 6,610.00	1		
Zurcher, Ulrich	Science	Physics	Coupling between Cardiac and Respiratory Dynamics in Patients with Temporal Lobe Epilepsy	\$ 6,330.00	\$ 200.00	\$ 6,530.00	2		
Jang, Sung-Gheel	Urban		A Web-based Exploratory Mapping Tool for the Rocky River Important Bird Area	\$ 6,076.00	\$ -	\$ 6,076.00	2		
			<b>TOTAL</b>	\$ 222,520.25	\$ 70,815.75	<b>\$293,336.00</b>	<b>79</b>		