

## 2011 Undergraduate Research Awards

Students Supported	Name of Person Submitting	College	Department	Title of Proposal	Total Funded
1	Belovich, Joanne	Engineering	Chemical & Bio Engineering	Transport Properties of Cortical Bone Tissue	\$4,898.00
2	Belovich, Joanne	Engineering	Chemical & Bio Engineering	Experimental Analysis and Computer-Aided Design of Gravitational Settlers for Bio-Fuels Production from Microalgae	\$9,596.00
2	Gatica, Jorge	Engineering	Chemical & Bio Engineering	Characterization and Optimization of Thin Film Deposition Processes by Thermal Analysis and Mathematical Modeling	\$8,096.00
2	Holland, Nolan	Engineering	Chemical & Bio Engineering	Thermally Responsive Polypeptide Nanoparticles: Design and Characterization	\$8,946.00
2	Holland, Nolan	Engineering	Chemical & Bio Engineering	Protein Purification Using an Elastin-like Polypeptide Tag	\$8,421.00
2	Simon, Dan	Engineering	Electrical & Computer	Noninvasive Electrocardiogram Monitoring and Diagnosis	\$7,896.00
1	Tewari, Surendra	Engineering	Chemical & Bio Engineering	Effect of Cross-Section Change on Dendritic Array Morphology during Directional Solidification of Aluminum-7% Silicon Alloy Single Crystals	\$3,798.00
2	Zhao, Wenbing	Engineering	Electrical & Computer	Participatory Sensing for Intelligent Transportation Systems	\$9,096.00
1	Doane, Lisa Stines	Science	Psychology	The Relationship Between Treatment Preference and PTSD Treatment Outcome	\$3,486.72
2	Espy, Debbie	Science	School of Health Sciences	Development and Validation of Methods to Rate Components of a Balance Training Program	\$6,052.50
1	Fodor, Petru	Science	Physics	Improving Fuel Usage in Microchannel Based Fuel Cells	\$5,665.00

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1	Milidonis, Mary	Science	School of Health Sciences	Program Evaluation of Physical Therapy Services at the Free Clinic in Cleveland	\$2,088.90
2	Resnick, Andrew	Science	Physics	The Primary Cilium is a Center of Cellular Signalling	\$3,376.00
1	Shukla, Girish C.	Science	BGES	Prostate Cancer Cell Specific Small RNAs Discovery by Deep-Sequencing	\$14,438.40
3	Strelestzky, Kiril	Science	Physics	Polysaccharide Microgels as a Soft Drug Delivery System	\$9,703.75
1	Sun, Xue-Long	Science	Chemistry	Glyco-engineering of Recombinant Antithrombotic Protein	\$7,798.00
2	Yamamoto, Naohide	Science	Psychology	Schizotypal Traits and Self-Motion Sensing: Exploring the role of Bodily Senses in Space Perception	\$4,448.00
1	Gallagher, Vickie Coleman	Business	Management and Labor Relations	A Multi-Level Analysis of Green Business Practices: Impacting the Bottom Line Through Strategic Human Resources (HR) Practices	\$4,328.30
4	Aspelin, Paul	CLASS	Anthropology	Making Sense of Cleveland's Past: The Archaeological Collection from the "Mall A" Construction Site, Cleveland, Ohio	\$9,540.00
1	Vaughn, Justin	CLASS	Political Science	Do First Ladies Matter? Assessing the Substantive Impact of First Lady Policy Activism	\$4,081.60
2	Jones, Mittie	Urban Affairs	Urban Studies	Communities in Transition: Population Change and Community Needs on the West Side of Greater Cleveland	\$4,420.00
1	Mikelbank,, Brian	Urban Affairs	Urban Studies	Engaged Learning Three Ways: Community Development Research on the Housing Crisis	\$3,088.40
					<u>\$3,088.40</u>
Totals					<u><b>\$148,927.57</b></u>