

2009 Undergraduate Research Awards

Number of Students Supported	Name of Person Submitting	College	Department	Title of Proposal	Funded
1	Shukla, Girish	COS	BGES	Therapeutic Potential of Human microRNA in Prostate Cancer	\$10,529.00
1	Shukla, Girish	COS	BGES	Small Nuclear RNAs in Nuclear Precursor Messenger RNA Splicing	\$7,029.00
2	Ball, David	COS	Chemistry	Computational Chemical Research into New High Energy Materials Based on Alkylazo Compounds	\$10,302.00
2	Simon, Daniel	Engr.	Electrical & Computer Engr.	Evolutionary Robotics	\$10,734.00
2	Bosela, Paul	Engr.	Civil & Environmental Engr.	Use of Steel Slag as an Aggregate in Concrete Pavement	\$9,628.00
1	Sun, Xue-Long	COS	Chemistry	Synthesis of Antithrombotic Glycoprotein Conjugates	\$9,657.00
2	Yuan, Fasong	COS	BGES	Assessing the Bioavailability of Particulate Phosphorus in the Cuyahoga River	\$9,922.00
4	Zhao, Wenbing	Engr.	Electrical & Computer Engr.	Touch-Based Pervasive Computing Exploration	\$16,370.00
1	Tewari, Surendra	Engr.	Chemical & Biomedical Engr.	Modification of Surface Nanotexture in Ti-6Al-4V Alloy to Promote Attachment and Growth of Bone Forming Cells	\$7,880.00
4	Lam, Eddie	Edu	HPERD	Fun versus Functional: Perception of Enjoyment and Preference of Physical Activities	\$10,183.00
2	Park, Ernest	COS	Psychology	Disinhibition in dyads contemplating moral dilemma situations	\$4,100.00
1	Vitali, Jacqueline	COS	Physics	Structural Studies of the Pyrimidine Pathway	\$3,534.00
1	Zurcher, Ulrich	COS	Physics	Nonlinear Dynamics of Aneurysm	\$2,929.00
2	Li, Bibo	COS	BGES	Characterization of the interaction between Human RAP1 and TRF2 using yeast 2-hybrid analysis	\$8,292.00

1	Streletzky, Kiril	COS	Physics	Environmentally Sensitive Polymeric Microgels as Drug Delivery and/or Biosensor System: a chemical physics study	\$8,057.00
2	Lee, Oksun	CLASS	Art Education	The Alternative Career Paths as an Art Educator: Why and How I am Here.	\$2,728.00
2	Borner, G. Valentin	COS	BGES	Analysis of genes required for meiotic chromosome segregation	\$10,300.00
2	Wong, Connie	Edu	Teacher Education	Survey of Treatments for Children with Autism: What's In? What's Out?	\$2,518.00
4	Matthews, Sarah	CLASS	Sociology	The health and well-being of elderly immigrants in Cleveland	\$15,570.00
1	Lammers, Andrew	COS	Health Sciences	The biomechanics of stability during locomotion and maneuvering on a tree branch trackway in the siberian chipmunk	\$2,628.00
2	Reinthal, Ann	COS	Health Sciences	Use of computer gaming to obtain task specific upper extremity practice in individuals with stroke who have completed traditional rehabilitation	\$3,540.00
2	Kalafatis, Michael	COS	Chemistry	Identification Of New Anticoagulant Molecules	\$17,125.00
2	Doane, Lisa Stines	COS	Psychology	Treatment Preferences for PTSD	\$6,351.00
5	Neuendorf, Kimberly	CLASS	Communications	FR:AMES—Film Research: Advanced Methods for Empirical Study (2009)	\$12,335.00
2	Streletzky, Kiril	COS	Physics	Measuring Rotational Diffusion of Proteins, Viruses, and Biopolymers	\$8,738.00
2	Jang, Sung-Gheel	Urban	Urban	Geo-Narrating Cleveland using Google Earth	\$8,799.00
1	Elvery, Joel	Urban	Urban	Defining and Characterizing Employment Centers	\$4,171.00
1	Bayachou, Mekki	COS	Chemistry	Cholesterol and Cardiovascular Disease: The effects of increased Cholesterol Levels on the Membrane-bound Protein Involved in Cardiovascular Regulation	\$8,557.00
3	Wright, Dwayne	Edu	C&F	Scarab Stories: A Documentary of East Technical High School	\$3,259.00
1	Aspelin, Paul	CLASS	Anthropology	Urban and Rural Development in Peru: The Examples of Community Kitchens and an International Humanitarian Relief Organization	\$2,068.00

1	Shah, Dhananjai	Engr	Chemical & Biomedical Engr.	Zeolite Membrane Permeation: Modeling and Validation	\$6,068.00
1	Holland, Nolan	Engr	Chemical & Biomedical Engr.	Protecting Cell Membranes During Cold-Storage Using Antifreeze Proteins	\$7,421.00
4	Aspelin, Paul	CLASS	Anthropology	Recovering Ohio's Archaeological Past	\$10,628.00
1	Gosselin, Adrienne	CLASS	English	Let It Ride: Language Arts and Prevention Assessment for At-Risk Youth	\$4,908.00
2	Pesek, Todd	COS	Health Sciences	Traditional Healing and Complementary and Alternative Medicine of the Q'eqchi' Maya, Belize, C.A.	\$7,568.00
1	Gatica, Jorge	Engr	Chemical & Biomedical Engr.	Spectroscopic Methods and Mathematical Modeling for the Characterization of Chemical Vapor Deposition	\$6,531.00
1	Belovich, Joanne	Engr	Chemical & Biomedical Engr.	Experimental Analysis and Computer-Aided Design of Gravitational Settlers for Bio-fuels Production from Microalgae	\$7,868.00
1	Rashidi, Majid	Engr	Engineering Tech	Design and Development of a Vertical Axis Wind Turbine	\$6,800.00
71				Totals	\$295,625.00