

UNDERGRADUATE RESEARCH PROPOSALS

UNDERGRADUATE RESEARCH AWARDS			
Number of Students Supported	Title of Proposal	Name of Person Submitting	Amount Awarded
4	A Comparison of Energy Expenditure in College Students Using A New Generation Active Computer Game vs. Traditional Physical Activity	Kathy Little, Mary Motley, Sheila Patterson & Ken Sparks	\$7,008
1	An Algae Dewatering Method for Biofuel Production	Joanne Belovich	\$7,612
1	Cell Cycle rgulation of skeletal mytoblast apoptosis	Crystal Weyman	\$7,331
2	Computuaional Chemical Research into new High energy materials based on spiropentane	David Ball	\$9,841
1	Design, fabrication and characterization of passive micromixers with fractal surface patterning	Petru Fodor & Miron Kaufman	\$7,358
1	Developing Subject-Specific Computational Models of the Cardiovascular System from Magnetic Resonance Images	George Catzimavroudis	\$7,947
2	Development of an Assay System to Study Influence of Rgegulatory miRN as on Androgen Receptor Function in Prostate Cancer Biolgoy	Girish Shukla	\$17,078
1	Effects of Increased Cholesterol Levels on the Molecular Activity of Membrane-bound Proteins	Mekki Bayachou	\$8,052
1	Experimental Research on High-Performance Thin Films and Coated Materials	Paul Hambourger	\$5,000
1	Exploring Transitional Bilingual Education in San Jose, Costa Rica and the National Indigenous Reserve of Chirripo	Leilani Garcia-Turull	\$2,000
2	Facilitating the Generalizatin of Pretend Play skills in Young Children: Does Teaching Approach Matter?	Connie Wong	\$7,502
2	Field Implementation of Pervious Concrete Pavement Technology	Norbert Delatte	\$9,420
5	FR:AMES-Films Research: Advanced Methologies for Empirical Studies	Evan Lieberman & Kimberly Neuendorf	\$11,525
1	functional Analysis of Natural and Constructed Wetlands in Northeast Ohio	Julie Wolin	\$9,999
1	Identification of new anticoagulant molecules	Michael Kalafatis	\$10,057
2	Identification of Novel genes required for chromosome segregation by a genomic screen	G. Valintin Borner	\$9,936
1	Identification of tbRAP1-interacting factors using yeast 2-hybrid screen	Bibo Li	\$9,100

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6	Improving Work Zone Safety using Sensor Networks	Pong Chu, Yongjian Fu, Nigamanth Sridhar, Cchasnu Yu, Wenbing Zhao, Ye Zhu	\$18,187
2	Optimization of Biosynthesis and purification of Proteins and Polypeptides	Nolan Holland	\$10,654
1	Polymeric nanoparticles as drug delivery agents: Exploring loading capacity	Kiril Streletzky & Mekki Bayachou	\$7,552
1	Pregnancy Management Practices, Childbirth Experiences, and Infant Health Outcomes Among a Multiethnic Sample of Urban Mothers in Cleveland, Ohio	Kate Masley	\$6,547
2	Smart Nanoparticle vesicles -- micelles: exploring aggregation, structure, dynamics, and water content under different solvent conditions	Kiril Streletzky	\$7,573
10	Study Abroad Program to England: International Marketing & Business Research	Thomas Whipple	\$12,000
1	Study of the Biochemical function of Cyclovirobuxine D Analogs	Aimin Zhou	\$3,528
2	The evolution and biomechanics of locomotion in tree-climbing mammals	Andrew R. Lammers	\$5,894
1	Thermal Characterization of Thin Film Deposition Processes Protective and Conversion Coatings	Jorge Gatica	\$7,537
1	Turning Chemistry Upside Down: Identification of Real Compounds from Molecular Models	Rolf Lustig	\$5,797
1	Undergraduate Research Experience in Protein Crystallography	Jacquine Vitali	\$3,031
2	Use of Steel Slag as an Aggregate in Concrete Pavement	Paul Bosela	\$9,420
4	Using Science Probes to Describe Science Misconceptions Held by Pre-Service Elementary Education Majors	Robert Ferguson	\$11,815
3	Vernacular Landscapes and Economic Decline: Urban Place in the 20th Century	Mark Tebeau & Mark Souther	\$13,061
1	Zeolite Membrane Permeation - Modeling and Validation	Dhananjai Shah	\$4,547
6	Perception of Service quality in Health-Fitness Clubs	Eddie T. C. Lam	\$9,482
2	Examining the role of talker variability in the perception of spoken language	Conor McLennan	\$6,023

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75	Total Amount Awarded		\$289,414