



2001-2002 Academic Year Undergraduate Research Grants

Each grant list individual student researcher(s) with respective cooperating faculty member(s) in parenthesis.

School of Business

- Michael J. Earley (Syed Saad Andaleeb) - \$700
"Does a Hospital's Name Influence Customer Attitudes, Perceptions, and Choice: a Comparative Study"
- Mirna Panic (Syed Saad Andaleeb) - \$700
"Success Factors: a Comparison of American and Bangladesh Female Marketers"
- Nicholas R. Pflugh (Frank DeWolf and Diane Parente) - \$700
"Electronic Supply Chain Internet Solutions for Buyers and Suppliers"

School of Engineering and Engineering Technology

- Jonathan Fallon (William Lasher) - \$700
"Experimental Testing of Force Coefficients on a Spinnaker"
- Timothy S. Meyers (Robert Weissbach) - \$450
"Development of a Residential Renewable Energy System"

School of Humanities and Social Sciences

- Danielle Bemis, Christina Gritzer, and Kara Kaufman (Victoria Kazmerski) - \$700
"Sex Roles and Interpersonal Violence Perceptions among Male and Female College Students"
- Erika Dauber (Charisse Nixon) - \$700
"The Effect of Mentoring on Connectedness and Academic Achievement in Adolescents"
- Banchiamlack Dessalegn and Alejandra W. Marroquin (Dawn Blasko and Victoria Kazmerski) - \$700
"Metaphor Processing in the Spanish-English Bilingual Brain"
- Nicole Dirling and Emily Allen (John Gamble) - \$700
"Regionalism/Globalization in Multilateral Treaties"
- Destiny Dudenhoeffer (Charisse Nixon) - \$684
"Designing an Effective Comprehensive Mentoring Program for Local Erie Schools"

- Mary Ann Kerch (Matt Davies) - \$700
"A Moral Plague: the Genocide Convention and the West's Failure in Rwanda"
- Jonathan Lobaugh (Dawn Blasko, Victoria Kazmerski, and Carla Torgerson) - \$700
"Instructional Development of an Observational Research Tutorial"
- Ryan Maddock and Nicole White (Derek Mace) - \$700
"Working Memory and Dual Task Interference"
- Amanda Mitchell and Claudia Diaz (Derek Mace, Dawn Blasko, and Victoria Kazmerski) - \$700
"Using Word Pairs to Determine Memory Processing in Bilinguals"
- Kathleen E. Perry (Charisse Nixon) - \$687
"Examining the Effects of a Pilot RA Intervention Program"
- Aimee Peterson (John Gamble) - \$500
"Reservations to Multilateral Treaties"
- Maggie Skopow and Heather Twining (Derek Mace) - \$700
"Parenting Style and its Influence on Attachment Style in College Love Relationships"
- Michael R. Steele (Diana Hume George) - \$687
"Field Studies in Creative Writing in the White Mountains of New Hampshire"
- Matthew Stevenson, Linda Kelso, and Brooke Springer (Dawn Blasko and Victoria Kazmerski) - \$700
"Working Memory and Metaphor Processing"
- Erica Zilleruelo (Dean Baldwin) - \$660
"An Anthology of Colonial and Post-Colonial Short Stories"

School of Science

- Jestin Carlson (James Warren) - \$700
"Investigating the Role of Folate Metabolism in Zebrafish Heart Development"
- Theresa Crawford (Pamela Silver) - \$400
"An Educational Tool for the General Public and Students: the Conflict between Conservation and Beach Maintenance on Presque Isle Peninsula"
- Antoinette Digel (Lisa Mangel) - \$700
"Restoration and Analysis of Cow Bones"
- Melissa Feile (Michael Campbell) - \$697
"Changes in Gene Expression in *Arabidopsis thaliana* Regulated by Lead, Nickel, Zinc, and Copper Levels"
- Jeana Ferilla (Michael Campbell) - \$700
"Microsatellites Diversity in *Ambystoma maculatum* Samples Collected from Adult Tissues"
- Brandon Galan (Alan Jircitano) - \$700
"Synthesis and Characterization of a Potential Magnetic Resonance Imaging Contrast Agent"

- Herb Gilroy and Trevor Manendo (Edwin Masteller and Michael Campbell) - \$1,409
"Identification of Freshwater Mussels Using DNA Markers"
- Melinda Hanes (Michael Campbell) - \$787
"Using HPLC to Identify Amino Acid Mutants"
- Matthew L. Hillwig (Michael Campbell) - \$635
"Determining the Genetic Composition of *Parnassia glauca*"
- Chayanant Hongfa (Martin Kociolek) - \$700
"Development of Methods for the Synthesis of Verbalactone"
- Matthew S. Irwin (James Warren) - \$700
"Zebrafish (*Danio rerio*) Methionine Synthase: fully Sequencing the Methionine Synthase Gene and Investigating its Activity in Zebrafish"
- Kyle Kalbarczyk (Martin Kociolek) - \$700
"Development of Methods for the Synthesis of Verbalactone and Analogs of Verbalactone"
- Jennifer M. Kuntz (Thomas Spudich) - \$700
"The Characterization of a Digital Micromirror Array for Use in Atomic Spectrometry"
- Andreas Lesjak (Meng Su) - \$700
"Improving Search Efficiency on Image Feature Vectors"
- Gretchen Lokey (Bruce Wittmershaus) - \$686
"Incorporation of Dyes into Polymethyl Methacrylate through Solvent Soaking to Create Luminescent Solar Concentrators"
- Erika D. Mack (Mary Chisholm) - \$700
"The Identification of Major Odorants in Key Lime Juice Using Gas Chromatography-Olfactometry (GCO) and Gas Chromatography-Mass Spectrometry (GC-MS)"
- Tessa Marshall (Thomas Spudich) - \$470
"Radiation Characterization of Photochromic Pt(II) Compounds of *o*-Aminobenzaldehyde and Derivatives"
- Melissa M. Moser (James Warren) - \$700
"Zebrafish (*Danio rerio*): characterization of a Putative Fragile X Mental Retardation Protein Homolog"
- Michael J. Nageotte (Pamela Silver) - \$700
"Effects of On-Campus Construction and Road Runoff on the Sediment Load and Salinity of Trout Run"
- Michelle Rizzo (Tracy Halmi) - \$500
"Exploring the Emission Spectra of Alkali and Alkaline Metals Using the Electric Pickle Demonstration"
- Jennine Rozanski (James Warren) - \$700
"Characterization and Analysis of the Mature Astrocyte Marker GFAP in Zebrafish"
- Maciej Z. Rusin (Meng Su) - \$700
"Towards Building an Efficient Image Retrieval System"

- Patrick Shaughnessy (Pradeep Singh) - \$700
"A Study of Factors that Influence Student's Calculus I Performance"
- John Shearer (Bruce Wittmershaus) - \$686
"Feasibility Study of Spin Casting Thin Polymer Films for Use as Luminescent Solar Concentrators"
- Amanda Svitek (James Warren) - \$700
"Analysis of Folate Metabolism and its Effects on Neural Tube Development in the Early Zebrafish (*Danio rerio*) Embryo"
- Amie Uhal (Mary Chisholm) - \$700 (School of Science)
"The Identification of Some Major Odorants in Persian Lime Juice Using Column Chromatography and Gas Chromatography-Olfactometry (GCO)"

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