

2012-2013
FACULTY-STUDENT RESEARCH GRANTS

| Faculty Sponsor | Department | Title | Student(s) | Award |
|-------------------------------|--|---|--|-------|
| Carol Austad | Psychological Science | Modifying Sleepiness, Stress, and Mindfulness in College Students Using Portable Biofeedback Devices | Jonathan Post | \$600 |
| Jerry Butler | Art | National Art Education Association Conference: Ft. Worth Mosaic | Nicole Mason | \$500 |
| Jerry Butler | Art | Ft. Worth Mosaic: National Art Education Association Convention | Jachius Stewart | \$500 |
| Michael Davis | Biomolecular Sciences | Bacteriophage-Mediated Decontamination of Fresh Produce at Low Temperature | Adrian Dutkiewicz | \$515 |
| Betsy Dobbs-McAuliffe | Biomolecular Sciences | Investigation of regenerative properties in planaria and the role of Retinoic Acid. | Rebecca Raimo | \$487 |
| Patrick Foster | Technology & Engineering Education | SAE High-Efficiency Vehicle Documentary | Patrick Carbone | \$500 |
| Barry Hoopengardner | Biomolecular Sciences | RNA editing in avian systems | Dan Parisi | \$500 |
| Xiaobing Hou | Computer Electronics & Graphics Technology | Automatic Watering System | David Zajac | \$450 |
| Jeremiah Jarrett | Biology | Application of molecular techniques to examine the population genetics of the barnacle <i>Chthamalus fissus</i> | Emilee Golden | \$500 |
| Thomas King | Biomolecular Sciences | Discovering the molecular-genetic basis of 3 different hair variants in mice. | Kevin Child, Aaron Feliciano, Samantha Hughes, Lagairre Radden | \$800 |
| Susan Koski, Kathleen Bantley | Criminology & Criminal Justice | Common Pathways for Female Offenders: A Follow Up Project | Nicole Grimaldi | \$500 |
| Stan Kurkovsky | Computer Science | The Himalaya Sensor Library & Distributed Computing | Mark Smith, Emran Talukder, Christopher Tine | \$770 |
| Linda Laurent | Music | The 'Breeches' Role in Opera: Its impact, evolution, and performance as shown in chosen operas from the Baroque, Classical, and Romantic periods. | Michelle Kayser | \$230 |

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| Thomas Mione | Biology | A study of the reproductive biology, genetics and phylogeny of purple/black tomatoes, genus <i>Jaltomata</i> . | Emmett Varricchio | \$260 |
| Edward Moore | Engineering | Stereoscopic Imaging and Mapping for Planetary Rovers | Scott Werkheiser | \$563 |
| James Mulrooney | Biomolecular Sciences | Knocking Down E-cadherin | Theodore Szmurlo | \$514 |
| Viatcheslav Naoumov | Engineering | Investigation of the Combustion of Paraffin and Research on the Combustion of Bee's Wax in the Hybrid Propellant Rocket Engine (Stage III) | Lucian Guadagnoly, Bryan Hackett, Peggy Sansevero, Micaela Werman | \$840 |
| Barbara Nicholson | Biology | Captive Care and Husbandry of <i>Melanophryniscus stelzneri</i> : The Bumblebee Walking Toad | Randy Best | \$499 |
| Clayton Penniman | Biology | Bacterial water quality analysis of Bass Brook and Piper Brook | Katelynn King | \$350 |
| Josh Perlstein | Theatre | Preparing and Touring a Performance of David Mamet's <i>Oleanna</i> to Surrounding Colleges and Universities to Examine the Representation of Gender Dynamics in Contemporary Theatre | Ashley Malloy | \$500 |
| Aimee Pozorski | English | The Power of a Word: An Examination of How Literature Constructs Meaning in the Works of Ha Jin | Bethany Sullivan | \$352 |
| Aimee Pozorski | English | Love and Trauma in the Wake of War: An Archival Approach to Understanding Hemingway and Woolf | Michael Lacy | \$504 |
| Julie Ribchinsky | Music | The Double Bass: A Comparative Study of Its Performance Practice From the Baroque through the Modern Era | Benjamin Rechel-McCormick | \$515 |
| David Sianez | Technology and Engineering Education | Creating a Continuously Variable Transmission (CVT) | Jeff Carpenter | \$500 |
| David Sianez | Technology & Engineering Education | Creating a highly efficient ABS+ engine components | Justin Hucul | \$500 |
| Cheryl Watson | Biomolecular Sciences | Can curcumin alter α -actin expression in cardiac fibroblasts? | Kaitlyn Cyr, Margaret Peckham | \$500 |
| Shuju Wu | Computer Electronics & Graphics Technology | Automatic Computer Cooling System | Frank Cao, Noel Luckner | \$360 |