

Faculty-Student Research Grants 2013-2014

| Faculty Sponsor | Department | Project Title | Student(s) | Award |
|------------------------|-----------------------|---|---|---------|
| Button, Charles | Geography | Storm water runoff and catchment system in conjunction with the community garden at CCSU | Krzanowski, Sarah; Dunn, Roger; Perrone, Mason; Pelletier, Jeremy | \$442 |
| Button, Charles | Geography | Creation and Application of an Assessment Tool to Measure the Sustainability of Food Systems at CCSU | Galezowski, Katherine | \$449 |
| Chiang, Kuan-Pin | Marketing | College Students' Responses to Advertising Appeals on Condoms | Chan, Alison; Milan, Ryan | \$1,000 |
| Davis, Michael | Biomolecular Sciences | Characterization of the Anaerobic Microbiota of the Planaria <i>Dugesia tigrina</i> and <i>D. dorotocephala</i> | Bingham, Kaitlynn; Rodziewicz, Matthew | \$616 |
| Dobbs-McAuliffe, Betsy | Biomolecular Sciences | Assessing acetaminophen effects on embryonic development using zebrafish as a model | Kegler, Benjamin | \$500 |

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| Halkin, Sylvia | Biology | How Eastern Gray Squirrels Solve Multistep Problems To Reach Food | Walczewski, Karli | \$500 |
| Hammad, Khaled; Al-Masoud, Nidal | Engineering | Design, Construction, Testing, and Optimization of an Alpha Stirling Engine | Corbeil, Ryan; Krell, Jonathan; Restrepo, Andres; Urquhart, Sean | \$1,800 |
| Hapeman, Paul | Biology | Genetic Diversity of American Alligators (<i>Alligator mississippiensis</i>) on Sapelo Island, Georgia | Brandien, Eric | \$500 |
| Hermes, Katherine | History | Raising Violence Awareness Among K-12 Students Through Native American History | Daniele, Samantha; Heller, Andrea | \$1,000 |
| Hoopengardner, Barry | Biomolecular Sciences | The <i>Bombus impatiens</i> Shaker gene: Editing, Splicing, and Epigenetics | Becroft, Emma; Magnano, Tori | \$500 |
| Hoopengardner, Barry | Biomolecular Sciences | Editing in the period-clock transcript of the honey bee, <i>Apis mellifera</i> | Banks, Matthew | \$500 |
| Hou, Xiaobing | Computer Electronics & Graphics Technology | Interactive LED Matrix for Casual Gaming | Fрати, Louis R. | \$500 |

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| Jarrett, Jeremiah | Biology | Application of molecular techniques to examine the population genetics of the snail <i>Mexacanthina lugubris</i> | Pattison, Alyssa; Grace, Keenan; Lentini, Amanda; O'Riordin, Caitlin | \$1,617 |
| King, Thomas | Biomolecular Sciences | Fine-mapping the <i>frzl</i> mutation on mouse Chromosome 7 | Lanciskas, Dainius; Connor, Malcolm | \$580 |
| King, Thomas; Kapper, Martin | Biomolecular Sciences | Assigning the <i>rhg</i> mutation to the <i>Oat</i> gene in mice | Bisaillon, Jason; Szabo, Eric; Nesta, Alex; Palanza, Kenny | \$1,069 |
| Mione, Thomas | Biology | A study of purple/black tomatoes, genus <i>Jalomata</i> | Varricchio, Emmett | \$341 |
| Naoumov, Viatcheslav | Engineering | HPRE Project - Stage IV: Investigation of the Combustion of Bio-Derived Fuels with Additives and Research on the Losses of Unburned Bio-Derived Fuels in the Hybrid Propellant Rocket Engine | Sansevero, Peggy; Skomin, Piotr; Valentine, David; Andrews, Matt; Knochenhauer, Nikole | \$970 |

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|------------------|---|---|--|-------|
| Phillips, Evelyn | Anthropology | Aging & Public Policy in Connecticut: A Comparative Cultural Analysis | Cella, Tracy M. | \$500 |
| Pope, Cynthia | Geography | Na Alaina Hou: Identifying Environmental Factors in South Pacific Immigration to Hawaii | Pelletier, Jeremy | \$500 |
| Pozorski, Aimee | English | "its treacherous impermanence": The Search for a Lost Classic in the Archive of Ken Kesey | Eilenberger, Heidi | \$500 |
| Pozorski, Aimee | English | Unearthing Cormac McCarthy in Texas | Lindroos, Kate | \$500 |
| Salama, Talat | Manufacturing & Construction Management | Testing the Effect of Fly-Ash on Concrete Bridges Strength | Guedes, Adriano K.; Burns, Nicholas S. | \$693 |
| Shankar, Ravi | English | Investigating the Interstices between Contemporary Poetry and Visual Art | Yasuda, Hallie | \$500 |

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| Sianez, David | Technology & Engineering Education | Creating a Mobile Supermileage Vehicle Cart | Hucul, Justin | \$500 |
| Spector, David | Biology | Bobcat (<i>lynx rufus</i>) Detection and Patch Occupancy in North Central Connecticut Using Automatically Triggered Cameras | Testerman, Kyle | \$500 |
| Thai, Nghi | Psychological Science | Balkan Immigrant Families and Experiences of Being Incarcerated, Detained, or Deported | Sabovic, Elzan | \$375 |
| Valerie, Lynda | Reading | Comics and Content: What's So Funny | Wright, Jennifer | \$500 |
| Wang, Haoyu | Manufacturing & Construction Management | Human Hand Ligamentous Injury Analysis Through 3D CAD Modeling and Simulation-Software Development | Pawlowicz, Boleslaw S. | \$500 |
| Watson, Cheryl | Biomolecular Sciences | Cytokine Control of Collagen Expression in Cardiac Fibroblasts | Baclawski, Damien | \$500 |

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|---------------------------------|---|--|--|---------|
| Wei, Fu-Shang | Engineering | Gas Fired Heat Treatment Furnace | Graber, Kevin; Knopf, Alexander; Van Horn, Kristian | \$1,500 |
| Wei, Fu-Shang; Vasko, Thomas | Engineering | Analyzing and Optimizing the Edges of a Snowboard | Abbott; Vaichus | \$1,000 |
| Wizevich, Michael | Physics & Earth Sciences | Paleoenvironmental Interpretation of the Triassic Reptile Trackway Localities of the Emosson Area, Switzerland | Ahern, Justin | \$500 |
| Wu, Shuju | Computer Electronics & Graphics Technology | Smart Fish Tank Monitoring and Control System | Busch, Keith; Khan, Sohail | \$465 |
| Wu, Shuju | Computer Electronics & Graphics Technology | QuickMail - A Mobile Application Development Using Objective-C | Gorbachyk, Vitaliy | \$500 |