

| Student                                                   | Project Title                                                                                                                             | Faculty Advisor          | Amount     |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------|
| <b>Biology, Geology, &amp; Environmental Science</b>      |                                                                                                                                           |                          |            |
| Jessica Ammon                                             | Molecular Monitoring of MRSA: Identification and Prevention in Healthcare Settings                                                        | Dr. David Giles          | \$565.80   |
| Andrea Kur                                                | An Investigation of Southern Appalachian Pteridophytes                                                                                    | Dr. Joey Shaw            | \$836.00   |
| Sara Grillo                                               | Effect of predation risk and prey boldness on prey stress response in a small mammal, <i>Octodon degus</i>                                | Dr. Loren Hayes          | \$1,000.00 |
| Kirsten Hein                                              | Implementing Early Screening Methods on First-Backcross Chinese-American Chestnut Hybrids for Resistance to <i>Phytophthora cinnamomi</i> | Dr. Hill Craddock        | \$1,000.00 |
| <b>Chemical Engineering</b>                               |                                                                                                                                           |                          |            |
| Chris Purvis                                              | Studying <i>Aeromonas salmonicida</i> Growth and Membrane Permeability in Continuous Culture                                              | Dr. Bradley Harris       | \$946.00   |
| Cooper Thome                                              | Biodiesel Production in Microreactors using Heterogeneous Catalysis                                                                       | Dr. Bradley Harris       | \$1,000.00 |
| <b>Chemistry &amp; Biochemistry</b>                       |                                                                                                                                           |                          |            |
| Connor Frye                                               | Exploring the Potential of Cheap Cobalt Complexes as Homogeneous Catalysts for the Selective Oxidation of Hydrocarbons to Alcohols        | Dr. John Lee             | \$1,000.00 |
| Tyler Khan                                                | Study of the Photoacoustic Effect in Carbon Dioxide                                                                                       | Dr. Han Park             | \$1,000.00 |
| Jacob Ewald                                               | Fluorescence Studies of Lysozyme Modifications Induced by Quinones                                                                        | Dr. Titus Albu           | \$1,000.00 |
| Neethu Kurien                                             | SDS-PAGE analysis of naphthoquinone-induced protein modifications and the effect of pH                                                    | Dr. Jisook Kim           | \$1,000.00 |
| Will Robinson                                             | Bismuth Triflate-Catalyzed Evans-Tishchenko Reaction                                                                                      | Dr. Kyle Knight          | \$1,000.00 |
| <b>Civil &amp; Chemical Engineering</b>                   |                                                                                                                                           |                          |            |
| Reed Boeger                                               | Studying <i>Vibrio cholerae</i> Adaptations to Improve Cholera Prevention                                                                 | Dr. Bradley Harris       | \$1,000.00 |
| <b>Criminal Justice</b>                                   |                                                                                                                                           |                          |            |
| Zachary Rush                                              | Examination of Millennials' Perceptions of Corporal Punishment                                                                            | Dr. Christina Policastro | \$405.00   |
| <b>Health &amp; Human Performance – Athletic Training</b> |                                                                                                                                           |                          |            |
| Damon Sowers                                              | Influence of concussion history on reactive agility performance among elite boxers and wrestlers                                          | Dr. Shellie Acocello     | \$1,000.00 |
| <b>Physics</b>                                            |                                                                                                                                           |                          |            |
| Alexandra Waters                                          | Electrical Conductivity Evolution Under Thermal Cycling in Novel Fe-Dy-Tb-O Thin Films                                                    | Dr. Tatiana Allen        | \$999.95   |

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|---------------------------|-------------------------------------------------------------------------------------------------|----------------------------|------------|
| <b>Psychology</b>         |                                                                                                 |                            |            |
| Margaret Dempsey          | The Twelve Tribes: Ethnographic Conversion Stories of Current Members                           | Dr. Ralph Hood             | \$998.00   |
| Jared Dirghalli           | Quantifying and Qualifying the Links that Bind: A Conceptual Map of the Workplace Experience    | Dr. Christopher Cunningham | \$1,000.00 |
| Jessica Hacker            | Motivation and Environmental Cues: Predictors of Prospective Memory Performance                 | Dr. Jill Shelton           | \$1,000.00 |
| Amanda Schwartz           | Language Patterns and Invisible Disabilities                                                    | Dr. Amye Warren            | \$1,000.00 |
| Drake Terry               | A Noble Task: Work Stress, Sense of Coherence, and Work-Nonwork Conflict in Christian Ministers | Dr. Christopher Cunningham | \$1,000.00 |
| Amanda Warner             | Detecting Deception: The Accuracy of the Good Judge                                             | Dr. Kate Rogers            | \$1,000.00 |
| <b>Social Work</b>        |                                                                                                 |                            |            |
| Kaila Northcutt           | Vicarious Trauma in Social Workers                                                              | Dr. Morgan Cooley          | \$667.00   |
| Erin Thomas               | Improving No-Show Rates in a Community Health Clinic                                            | Dr. Morgan Cooley          | \$827.00   |
| <b>Theatre and Speech</b> |                                                                                                 |                            |            |
| Joyce McPherson           | Shakespeare Pedagogy: Active Learning in the Theatre Arts                                       | Dr. Anne Swedberg          | \$1,000.00 |