

Undergraduate Research Projects
Fall 2008

Student Name	Faculty Sponsor	Funded Project
Art		
Katherine Arens	Joseph Di Bella	Travel expenses and supplies for an "Individual Study in Painting: Altarpiece"
Molly Campbell		Supplies to create 5-10 foot wall hangings; "Beautification of the Grotesque"
Robert Lynn		Travel expenses and supplies for an "Individual Study in Painting: Maximalist Painting and The Graphic Imagination"
Rebekah Sargeant	Joseph Dreiss	Travel expenses and supplies for an individual study, "Transforming Architecture: The Essence of Spirit and Matter in the Architecture of Rudolf Steiner"
Amanda Shackelford		Travel expenses and supplies for an individual study, "Robert Smithson's Spiral Jetty"
Katelyn M. Cowen	Carole Garmon	Supplies to create three projects concerning "Multiplicity: Studying Multiples in Contemporary Sculpture"
Robert Lynn		Materials to construct a number of large, installation-style sculptures that fill entire rooms to fulfill an "Individual Study in Sculpture: Installation as Interdisciplinary Art"
Caitlin Gordon	Lorene Nickel	Materials for an independent study, "The Physical vs the Spiritual: A Figure in Crochet"
Biology		
Lauren Bell	Dianne Baker	Travel expenses and supplies for "Investigation of Dual Phenotype GABA/Glutamate Neurons in Adult Zebrafish;" travel to UMASS-Amherst to use a confocal microscope
Colby Croft		Supplies for "Characterization of CEACAM-I in Zebrafish"
Matthew C. Johnson		Supplies for "The Effects of Artificial Sweeteners on Type II Diabetes and Obesity"
Quincey Garcia	Kathryn Loesser-Casey	Supplies and travel expenses to present results of "Ischemic Preconditioning in Diabetic Rats Taking Sulfonylurea and Sildenafil Medications;" Virginia Academy of Sciences annual meeting
Tyler Andrew Cox	Deborah Zies	Supplies for "Bioinformatics in the Diagnosis of Smith-Magenis Syndrome"
Rose Salzberg		Supplies for "Molecular Characterization of the Human RAI1 Promoter"
Chemistry		
Nicholas P. Kelley	Janet Asper	Supplies and travel expenses to present results of "Synthesis of a Guanlyltriflate Reagent with Polyethylene Glycol as a New Protecting Group for Alkylguanidines;" 2008 Sigma Xi Annual Meeting & Student Research Preliminary Program of Events
Katie Strong		Supplies and travel expenses to present results of "Synthesis of PEG Guanidinylation Reagents for Protecting Alkylguanidines;" 2008 Sigma Xi Annual Meeting & Student Research Preliminary Program of Events
Gayle Armentrout & Virginia Brown	Leanna Giancarlo and Ben Kisila	Supplies and travel expenses to present results of "Spectroscopic Determination of Heavy Metals and Historical Record for Lake Anna: Analysis of Critical Cores;" 2008 Sigma Xi Annual Meeting & Student Research Preliminary Program of Events
Kara Lindsay Brooks	Leanna Giancarlo	Supplies/materials for "ICP Analysis of Copper Artifacts"

Undergraduate Research Projects
Fall 2008

Amy Hruska	Raymond Scott	Supplies for "Study and Characterization of Electrogenerated Chemiluminescence"
Rebecca Shapiro	Charles Sharpless	Travel expenses to sites and supplies for "The Effect of Land Use on the Nutrients and Organic Contaminants in the Water and Sediment of the Rappahannock River"
Jonathan Williams		Supplies for "Examining the role of oxygen during photolysis of polycyclic aromatic hydrocarbons in nonpolar solvents"
Zachary Detweiler & Becky Wallace	Kelli Slunt	Materials for "Analysis of Steroid Content in Dairy Products"
<i>Classics, Philosophy, Religion</i>		
Susan E. Drummond	Angela Gosetti-Murray John	Travel expenses to research "Scattered Leaves and Riddling Prophecies: The Cave of the Sibyl Beneath the Shadows of Jupiter and Apollo"
<i>Computer Science</i>		
Renee Carignan	Jennifer Polack	To purchase 2 books to provide background and current info on "Artificial Intelligence in Game Programming"
<i>Earth and Environmental Sciences</i>		
Brittney Baker	Michael Bass	Mileage for research on "The state and effectiveness of wetland mitigation banks in the United States Army Corps of Engineer's Norfolk District"
Katherine Oldham		Supplies for "Wetland Mitigation in Storm water Management Ponds of Central Park and in an Off-site Mitigated Wetland"
Katherine Vrobel		Supplies for "Impacts Caused by Development on Stream Ecology of England Run, an Unnamed Tributary in Stafford County, and the Ni River"
Stephanie M. Andreucci	Ben O. Kisila	Travel expenses to present "Environmental Evolution of Chincoteague-Assateague Lagoon-Marsh System as Inferred from the Sediment Record;" 2008 Geological Society of America Joint Annual Meeting
Virginia K. Brown		Travel expenses to present "Environmental Evolution of Chincoteague-Assateague Lagoon-Marsh System as Inferred from the Sediment Record;" 2008 Geological Society of America Joint Annual
Leslie Wilson		Mileage expenses to sites and supplies for "Gold mining in Virginia and the long term effects of mine waste associated trace metals on fluvial systems"
Joseph Kiker	Neil Tibert	Supplies and travel expenses to present results of "A Reconstruction of the Late Holocene Paleo-Environmental History of the Chesapeake Bay through Marsh Core Analysis of Potomac River Estuary Sediments;" GSA Northeastern meeting; and research travel includes to the U of Pittsburgh and Salem State College
Chris Lowery		Supplies and travel expenses to present results of "Foraminiferal Evidence for Milankovitch-Scale Sea Level Oscillations in Late Cretaceous Deposits in Iowa;" GSA Northeastern meeting, research travel to Washington & Lee University and to the University of Kansas
Erika Kamptner	Charles Whipkey	Supplies and travel expenses to present results of "Soils at Bridges and Roadways as Possible Sources of Polychlorinated Biphenyls (PCBs) to Lake Anna Waters and Sediments" at the GSA Northeastern meeting

Undergraduate Research Projects
Fall 2008

<i>Economics</i>		
Christine Exley, Erin Kelly, Katherine A. MacEwen, Daniel C. Marsh, Rachel Mason, David Moore, Craig Stewart, Melanie Walter, & Hart Wood	Shawn Humphrey	Travel expenses to go to Siete de Abril, Honduras to implement the La Ceiba Microfinance Institution
Stephanie Rzepka	Margaret Ray	Purchase data to analyze in order to present "Hedonic Pricing and Adverse Selection in the Thoroughbred Yearling Auction Market;" Eastern Economic Assn. Annual Meeting
<i>English</i>		
Stephanie Combs, Brandon Perdue, & Julianne Sudduth	Mara Scanlon	Travel expenses to present papers as part of a panel at the Art, Nature, Self: An Undergraduate Conference for Creative and Critical Engagement
<i>Geography</i>		
7 Students	Joseph Nicholas	Students to participate in team competition (Geography Bowl) at the SE Division of the Assn. of American Geographers
<i>History</i>		
Amanda Russell	Susan Fernsebner	Research travel expenses for "An Investigation of the Modern Communist Woman"
<i>Modern Foreign Languages</i>		
Jesse Kopp	Marcel Rotter	Books and travel expenses to research "The Imagery of Languages and the Language of Imagery" by visiting multiple museums with paintings by German and Hungarian artists
<i>Physics</i>		
Davis Hand Laura Rickard	Robert Ekey	Repair equipment to continue study of "Using Signal Express to interface an oscilloscope with a computer" and present findings at Annual Meeting of the Southeastern Section of the American Physical Society
Christopher Triola		Purchase books and software to research "Diatomic Molecular Theory and Applications Using LEVEL"
Jessica Lehman	George King	Equipment and supplies to research "Using an Infrared Tweezer to Study Optical Trapping Forces"
Nicolas Perilla		Equipment upgrade to research "X-ray Spectroscopy with Upgraded Tel-x-ometer"
Brandi Rollins		Equipment upgrade to research "Using a Visible Optical Tweezer to Explore Trapping Strength"
<i>Psychology</i>		
Abby Bates, Meredith Goode, Jillian O'Rourke, & Petra Thompson	David Rettinger	Experiment supplies for the study " Social and Emotional Contributions to Moral Decision Making"