

Undergraduate Research Projects
Fall 2009

Student Name	Faculty Sponsor	Funded Project
Art		
Samantha West	Jean Ann Dabb	Research travel expenses to Italy for independent study, "The Tombs of Tarquinia: The Religious and Social Significance of Etruscan Banquet Murals"
Meredith Langer	Lorene Nickel	Materials for project, "Natural Versus Artificial: Communication with Textures, Shapes, and Colors"
Sarah Lapp		Materials for project, "Textile Design: Wearable Art & The Female Form"
Phoebe McMullen		Materials for independent study, "Flowers' of the Loom: Creating Sculptural Forms with Textiles"
Biology		
Clare Mulrey	Dianne Baker	Supplies for research project, "The effects of atrazine on expression of appetite-stimulating neuropeptides in the zebrafish, <i>Danio rerio</i> "
Muhammed F. Casim	Lynn Lewis	Supplies and travel expenses to VA Branch of the American Society for Microbiology Conference for research project "Detecting the Presence of Tropheryma Whipplei DNA in saliva of individuals with and w/out chronic diseases"
Calvin Chan		Supplies and travel expenses to VA Branch of the American Society for Microbiology Conference for research project, "The Effect of La Protein on the Translational Efficiency of Cap-Independent Murine Encephalomyocarditis Virus"
Shreya Desai		Supplies and travel expenses to VA Branch of the American Society for Microbiology Conference for research project, "The Effect of Alcoholic and Non-alcoholic Fluoride Rinse on Growth of <i>Streptococcus mutans</i> in tooth caries prevention"
Nina Spengler		Supplies and travel expenses to VA Branch of the American Society for Microbiology Conference for research project, "Who is Living on Your Public Computer Keyboards?"
Dana Hunt		Kathryn Loesser-Casey
Stacey Rickard		Supplies and travel expenses to Virginia Academy of Sciences meeting for research project, "Cardiac Stem Cells: Migration Assay Utilizing VEGF and Statins"
Shannon Tucker		Supplies and travel expenses to Virginia Academy of Sciences meeting for research project, "Examination of Bisphenol A Induced Carcinoma Pathways in Human Breast Cells"
Sarah Ney	Abbie Tomba	Supplies for research project, "Analysis of Alarm Chemicals in Freshwater Crayfish"
Business		
Rebecca J. Cordova	Dan Hubbard	Travel expenses for individual study, "Global Impact of IASB Transformation"
Chemistry		
Katie Strong	Janet Asper	Supplies to continue research for Honors Thesis, "Synthesis of PEG Guanidinylation Reagents for Protecting Alkylguanidines"
Maria Kipreos	Nicole Crowder	Materials and travel expenses to present results of "Modification of Diverse Electrodes;" Virginia Section of the American Chemical Society Meeting

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Stacey Nathan	Nicole Crowder	Materials and travel expenses to present, "Surface Modification of Ti-6Al-4V: A Biomimetic Approach for Orthopedic Implant Applications;" Virginia Section of the American Chemical Society meeting
Carly Byers	Leanna Giancarlo and Charles Whipkey	Supplies and commuting costs for research project, "Trace Mineral Detection in Contrary Creek"
Caitlin Cohen	Leanna Giancarlo	Supplies for an individual study, "STM Investigation of Brominated Organics on Graphite"
Zachary Detweiler & Seth Mendelsohn	Kelli Slunt	Materials for "Analysis of Estrogen Content in Various Types of Milk"
<i>Classics, Religion and Philosophy</i>		
Joseph Holmes	Craig Vasey	Travel expenses to present, "The Child of Lions: Nietzsche and Hip-Hop Culture;" Reflections on Practical Philosophy Conference
<i>Computer Science</i>		
Zwe Maung	Jennifer Polack	To purchase Iphone application software to continue research project, "Iphone Application Programming"
<i>Earth and Environmental Sciences</i>		
Stephanie M. Andreucci	Ben O. Kisila	Travel expenses to present, "Watershed Erosion Assessment in the Rappahannock Using Isotopic and Spatial Analysis" Geological Society of America Joint Annual Meeting
Filla Sofia Baliwag		Supplies and commuting costs for research project, "Analysis of Long Term Effects of Mining on Fluvial Systems: Case study on Rappahannock River System and the fate of old tailings of the Kelly Gold Mine, VA"
Kelly S. Landau		Materials for "Application of Cs-137 for Soil Erosion Analysis in the Watershed of the Rappahannock River, VA"
Matthew Magruder		Materials for "Application of ²¹⁰ Pb Isotopic Fingerprinting to Identify Erosion Rates and Sources of Sediment with Potential Contaminants in Three Sub-Watersheds of the Rappahannock River"
Laura Pilati and Sunnan Yoon		Supplies and commuting costs for research project, "Environmental analysis of 2 VA lakes: Lakes Pelham and Moomaw (human impacted vs pristine)
Tevin Chaney and Caitlin Paris	Melanie Szulczewski	Supplies for research project, "Fredericksburg Household Pesticide Investigation"
Olivia R. Cooper and Lyssa A. Cousineau	Neil Tibert	Supplies and commuting costs for research project, "Geoarchaeology and Paleoclimatology at Stratford Hall Plantation"
Carolyn Hannoeh and Dana Kreyenhagen	Charles Whipkey and Charles Sharpless	Supplies for research project, "PCB Analysis of Soil and Fill Material"
<i>Economics</i>		
Madina Ahmadzai, Brian Downing, Meredith Greenwell, Sarah Morin and	Shawn Humphrey	Travel expenses to go to Siete de Abril, Honduras to implement the La Ceiba Microfinance Initiative, that was set in motion during the 08-09 academic year

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Benjamin Saunders		
Geography		
7 Students	Joseph Nicolas	Students to participate in team competition (Geography Bowl) at the SE Division of the Assn. of American Geographers
Modern Foreign Languages		
Justin Mattos	Ana Chichester	Research-related materials for individual study on race and race relations in Cuba
Davida C. Austin	Brooke Donaldson	Travel expenses to present paper at the Moravian College Undergraduate Conference in Medieval and Early Modern Studies conference
Natalie McLarty		Travel expenses to present paper at the Moravian College Undergraduate Conference in Medieval and Early Modern Studies conference
Angela White		Travel expenses to present paper at the Moravian College Undergraduate Conference in Medieval and Early Modern Studies conference
Physics		
John Deasy and Houston Sanders	George King	Equipment and supplies for research project, "Modeling of D.C. Magnetic Fields; Modeling of A.C. Magnetic Fields"
Laura Rickard		Materials for research on, "Optical Fiber Transmission Properties"
Psychology		
Jennifer Hicks, Brittany Killian, Patrick Love, Natalie McLarty and Melissa McTernan	David Rettinger	Experiment incentives for the study, "Individual Differences in Moral Reasoning"
Theatre		
Andriana Lozier	Helen Housley	Travel expenses to present, "Consonant NRG: Shakespeare's Instruction to the Actor;" Lessac Training and Research Institute Conference