

Undergraduate Research Projects
Fall 2012

Student Name	Faculty Sponsor	Funded Project
Art		
Sharon Rawlins	Joe DiBella	Composing Pictures, Looking at the Interior
Nicole Evans		Project Prayer Tie: Individual Study in Large Scale Mandala Drawings
Alice Watkins		Blending into Reality: Arts 491
Biology		
Daniel Browne	Dianne Baker	Effect of Arazine on gene expression in zebra fish
Franklin Womble, Michael Wilkerson, Sarah Eubanks, Isabelle Malouf		Expression of appetite-regulating neurohormones in zebra fish
Sarah Marzec, Dan Browne	Theresa Grana	Phylogenic Classification of Nematodes
Kathleen Blevins	Lynn O. Lewis	Bacteriophage-Mediated Antibiotic Resistance
Ryan Green		A Study of Broad Spectrum Antivirals
Haris Mirzada	Steve Gallik	The Effects of Lectins on Nuclear Import in Simple Rat Liver Homogenates
Katelyn Monti, Cameron Sands, Briana Wilson	Abbie Tomba	Identification of Digenetic Trematodes using Molecular Techniques
Andrew Hogan	Rosemary Barra	Brain-Derived Neurotropic Factor Mediated Overexpression of p75 and Tyrosine Kinase Receptors in Human Brain Tumor Cell Lines
Kara Arbogast	Deb O'Dell	Effect of Bisphenol A on gene activation in fetal rat tissues
Chloe Fusselman		Regulation of Cell Growth by Bisphenol A in Prostate epithelial Cells
Chemistry		
Jeff Davidson	Leanna Giancarlo	Investigation of Coadsorbed Acids on Graphite via STM
Chastaine Perry		Metal analysis of Nectar and Bees
Arsela Hameed	Kelli Slunt	Antioxidant Concentration in Sweeteners
Grace Sey		Differential Scanning Calorimetry of Biological Molecules
Computer Science		
Madeline Lord	Jennifer Polack-Wahl	App Development for GPS Location - for iPod's/iPad's
Justis, David Chemiawski, Kevin Stalcup, Patrick, Brown, Rebecca, du Busc, Sam		Apps for Education for iPod's/iPad's
Earth and Environmental Sciences		
Elyse Clark	Ben Kisila	Comparative Analysis of Watershed Erosion, Reservoir Sedimentation, and Sediment Trace Metals in Two VA Lakes
Robert Clark		Spatial and Isotopic Analysis of Soil Erosion and Sediment Fluxes in Three Rappahannock River Tributaries, Stafford County, VA
Susanna Kirschner, Jenna Stockton	Melanie Szulczewski	Analysis of the fractionation of metal contaminants in acid mine drainage-impacted soil

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Ashley Elliott, Erin Stewart, Kara Arbogast	Mike Bass	Full Year Study of the Health of the Ni River and Massaponax Creek in Spottsylvania County, VA
Economics		
Nicole Cochran, Emily Sherman, Ambar Atta, James Hutcheson, Kelsey Whitman, Laura Dick, Santiago Sueiro, Meghan Hobbs, Keegan Cooke, Lara Pugh	Shawn Humphrey	La Ceiba Microfinance Institution
Matt Cronin, Mariss Yoder	Margaret Ray	Federal Reserve Bank of Dallas Economics Scholars Program
English, Linguistics, and Communication		
Dylan Lederle-Ensign	Zach Whalen	Emotional Code: examining Jason Rohrer's Gravitation
Geography		
Adam Hager, Carl Larsen, David Chambers	Dawn Bowen	Using GPS to Map Biodiverse Agricultural Plots of Small Scale Farmers and Deforestation in Alta Verapaz, Guatemala
7 Students	Joseph Nicholas	World Geography Bowl competition and Attendance at annual meeting
History		
Joseph Calpin	Susan Fernsebner	Supplies and travel expenses for research project, "Reforming Writing: China's Script Reform from the 1950s-1970s"
Math		
Ryan Vaughn	Keith Mellinger	Budapest Semesters in Mathematics
Modern Foreign Language		
Gabrielle Kuhn, Eniya Lufumpa, Jenna Randall, Madeline Zack	Brooke Di Lauro	Moravian College Medieval and Early Modern Studies conference
Music		
Christian Peabody	Martha Fickett	Neo-romanticism in music
John White		Isorhythm in 20th century music
Political Science and International Studies		
William Kyle	Jack Kramer	The U.S. Strategic Pivot to the Pacific: Causes, Consequences, and Challenges
Psychology		
25 Students	Debra Steckler	Travel and lodging expenses for students and faculty (participating) at the VP A Convention
Lisa Feely, Amanda Halliburton, Bethany Mastrorilli and Noah		Supplies for research project, "Parental Influences on Emerging Adulthood"

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Tucker		
Daniel Bice, Alex Morris, Melanie Pacheco, and Joshua Vickstrom	Dave MacEwen and Hilary Stebbins	Professional programming help for research project, " <i>Attentional Blink: A Focus on Variation Distracters on Performance</i> "
Anne Cosby, Aliza Sial, Emily Nord, Katrina Shilling and Stephanie Shaeffer	Virginia Mackintosh	Supplies to conduct survey for research project, " <i>The Autism Question: An Exploration into Expectation and the Culture of Recovery</i> "
Susan Ramsland, Victoria Toadvine, Rosana Marzullo-Dove	Denis Nissim-Sabat	Supplies to purchase test materials for research project, " <i>Emotional Intelligence and the Effect of False Feedback on Decision Making</i> "
Stephanie Lichiello, Alexandra Zelin, and Lauren Hartwell	Mindy Erchull	Travel expenses to present research project, " <i>Young Women's Sexual Attitudes and Behaviors: What Predicts 'Hook-Ups' and Casual Sex?</i> "
<i>Sociology and Anthropology</i>		
Stanley Greidinger	Eric Gable	Travel expenses to present " <i>Following the 'Colt' of Gun Collecting</i> "
Thalia Halpert Rodis		Travel expenses to present " <i>Border Control: Greece and views on immigration</i> "
Emily Harris, Colin Jordan, Jena Kincaid, and John Titus Stupfel		Travel expenses to present, " <i>The Anthropology of Storm Chasing</i> "
Erika Yoder		Travel expenses to present project about non-western art.
Laura Dick	Jason James	Travel expenses to present, " <i>Art Networks</i> "
Svyatoslav Petrov		Travel expenses to present, " <i>Virtual Church: A Case Study of Religious Virtual Space Online</i> "
Taylor Poindexter		Travel expenses to present, " <i>Public Space and the formation and maintenance of Inclusion and Exclusion</i> "
Brian MacKercher	Laura Mentore	Travel expenses to present, " <i>Legal Reality in a Cosmopolitan World</i> "
Jeanine St. Lawrence and Dolly Suarez	Debra Schleef	Supplies for research project, " <i>Analysis of Youth Risk Behavior in Rappahannock Region</i> "
Alexandra Zelin		Travel expenses to present, " <i>Hot Nannies and Invisible Day Care Centers: Representations of Child-care Decision-Making on Television</i> "