

Research Day Schedule

April 18, 2008

Oral Presentations

B&E 136

1:00-3:45 pm

Participants

- 1:00: **Shari Bookert**, Biology, "Dimorphic Seeds Show Differential Viability with Age." Dr. Andrew Dyer, mentor
- 1:15: **Won Gin Bowman, Doug Gregory and Sam Vaid**, Exercise and Sports Science, "Effect of Blood Donation on VO_{2max} ." Dr. Chris DeWitt, mentor
- 1:30: **Heather Davis**, History, "Music Production in Post-Katrina New Orleans." Dr. Maggi Morehouse, mentor
- 1:45: **Kyra Fraser**, Math and Computer Science, "A Class of Groups." Dr. Zhenheng Li, mentor.
- 2:00: **Claire Leopard**, History, "True Womanhood" and Georgia O'Keefe." Dr. Elaine Lacy, mentor
- 2:15: **Brian Levens**, Communications, "Munching on a Twain 'Sandwich.'" Dr. Keith Griffin, mentor.
- 2:30: **Jonathan Roberts**, English, "Trespassing With Good Intentions." Dr. Steven Gardner, mentor.
- 2:45: **Christopher Skeen**, Political Science, "Immigration Attitudes and the Confederate Flag." Dr. Bob Botsch, mentor.
- 3:00: **Behzad Torkian**, Math/Computer Science, "Some Inequalities on Weighted Degrees, Eigenvalues, and Palacian Eignvalues of Weighted Graphs." Dr. Rao Li, mentor
- 3:15: **Bill Whaley**, History, "Shipboard Suffering." Dr. Maggi Morehouse, mentor

Poster Sessions

B&E 122

2:30-4:00

Participants

Steven Ballesteros, Biology, "Evaluating the Toxicity of Cyfluthrin to the Earthworm, *Eisenia fetida*, using 96-Hour Filter Paper Contact Tests." Dr. Michele Harmon, mentor

Jocelyn Bean, Michael Lobaugh and Dustin Stone, Exercise and Sports Science, "Comparison of Traditional and 'Healthy' Fast Food Meals." Dr. Brian Parr, mentor

Shantivia Boneparte, Brad Ellis and Mark Yarbrough, Exercise and Sports Science, "Dysrhythmias in Cardiac Rehabilitation Patients." Dr. Kim Wood Woeber, mentor

Emily Bovier, Graduate Student, Master's in Applied Clinical Psychology, "Changes in Macular Pigment after a Combined Lutein and Zeaxanthin Intervention." Dr. Adam Wenzel, mentor

Ryan Cheek, Erica Hook and Kenneth Lokey, Exercise and Sports Science, "Determination of Time Required for Walking and Driving: Campus Transportation and Parking Lot Behavior." Dr. Brian Parr, mentor

Amanda Gerolstein, Biology, "Expression of an anti-HIV Tat ribozyme in a tissue culture model." Dr. Bill Jackson, mentor

Lisa Heckrotte, Psychology, "Stereotype Threat, Executive Function, and Math Performance in College Females." Dr. Dawn Morales, mentor

Audrey Hendley, Biology, "Cloning of a Hammerhead Ribozyme Targeted to HIV-1 Virion Infectivity Factor," Dr. Bill Jackson, mentor

Jennifer Irons, Biology, "Bioinformatic Identification of Chicken (*Gallus gallus*) Olfactory Receptor Genes," Dr. Michelle Vieyra, mentor

David Kruzner, Chemistry, "A Raman Spectroscopic Study of the EDAB Molecule in Aceton-Acetonitrile Mixed Solvent," Dr. Monty Fetterolf, mentor

Carrie McMurray, Katherine Mustard and Theo Oates, Exercise and Sports Science, "Comparison of a Time and Health-based Message on Stair Use." Dr. Brian Parr, mentor

Matthew Maestri, Psychology, "The Effect of Lutein Supplementation on Visual Memory for Color: A work in Progress." Dr. Dawn Morales, mentor

Heather Mentrup, Biology, "Toxicity of Dieldrin to *Ceriodaphnia dubia* Acclimated to Water from a Potentially Contaminated Construction Wetland." Dr. Michelle Harmon, mentor

Colby Moseley, Psychology, "Assessing Resilience in Children with Maltreatment Histories." Dr. Beverly Fortson, mentor

Pierre Negri, Chemistry, "Synthesis of Kainic Acid." Dr. Nandeo Chooney, mentor

Pierre Negri, Chemistry, “Thermodynamic Data For the Equilibrium Between Hexaaquacobalt(II) and Tetrachlorocobaltate(II) Ions,” Dr. Kutty Pariyadath, mentor

Chioma Njoku, Psychology, “Effects of Expressive Writing and Experimental Avoidance on Emotional Intelligence.” Dr. Dawn Morales, mentor

Lindsey Padgett, Biology, “Cloning of a hammerhead ribozyme targeted to the HIV-1 LTR.” Dr. Bill Jackson, mentor

Ashley Padgett, Psychology, “The Relation between Degree of Attachment and Depressive Symptoms,” Dr. Beverly Fortson, mentor

Kristina Prosser, Chemistry, “Investigation of Novel Raman Spectroscopic Molecular Probes of Mixed Solvent Systems.” Dr. Monty Fetterolf, mentor

Theresa Ramos, Biology, “Optimizing titer of a retroviral vector expressing anti-HIX-1 tat hammerhead ribozyme.” Dr. Bill Jackson, mentor

Marie-Agne Smith, Biology, “Montastrea Annularis and Yellow Band Disease: An Indicator of Global Warming.” Dr. Garriett Smith, mentor

Eddie Stallings, Psychology, “ Depression, Trauma, Engagement and the USCA College Undergraduate.” Dr. Jane Stafford, mentor

Angela Tunno, Graduate Student, Master’s in Applied Clinical Psychology, “Concordance Between Self-Report and Psychophysiological Reaction to Traumatic Events.” Dr. Beverly Fortson, mentor

Christine Vinci, Graduate Student, Master’s in Applied Clinical Psychology, “Duration and Placement of CS Trials Affects Context Extinction.” Dr. Ed Callen, mentor

Shawnte’ Wilder, Psychology, “The Relation of Macular Pigment Density and Accuracy of Color Memory.” Dr. Dawn Morales, mentor

Rainee Wilson, Biology, “Toxicity of a Commonly-used Pesticide, Chlorpyrifos, to *Daphnia magna* in 48-hour Static Acute Toxicity Tests.” Dr. Michelle Harmon, mentor

Award Schedule

4:00-4:30: Judge’s Evaluation session/ Refreshments for presenters

4:30-5:00: Award Presentations, B&E 140

2 “Gold Medal” awards: \$250 each

2 “Silver Medal” awards: \$100 each

2 “Bronze Medal” awards: \$50 each

Comments or Questions: Contact Dr. Elaine Lacy, 641 3551 or elainel@usca.edu