Research Day 2012

...a Forum of Discovery

April 6th, 2012
Student Activities Center, 12:00-5:00 pm
Oral Presentations
SAC Mezzanine
1:00-3:30 pm

Session 1
Dr. Edward Callen, Presiding

1:00  A Stage Production: Franny and Zooey
      Ellice Whatley, English major
      Faculty Mentor: Dr. Matthew Miller

1:20  A Marriage of Two Popular Nanofabrication Methods, Physical Vapor
      Deposition and Electroless Deposition, for the Development of a Novel
      SERS-SEIRA Substrate
      Rachel Strickhouser, Chemistry major
      Faculty Mentor: Dr. Chad L. Leverette

1:40  African Americans and the United States Legal System
      Ryan Adams, History major
      Faculty Mentor: Dr. Maggi Morehouse

Break – 10 minutes

Session 2
Dr. Tom Mack, Presiding

2:10  A Putative Functional Model of Type II Copper Nitrite Reductase
      Alexander Brugh, Chemistry major
      Faculty Mentor: Dr. Gerard Rowe

2:30  Determining the Prevalence of the Improper Use of Citations and Sources at
      Regional Science Fairs and Conferences
      Brittany Cheeks, Secondary Education major
      Faculty Mentor: Dr. Michelle Vieyra

2:50  Packaging Poe
      Leah Stanley, English major
      Faculty Mentor: Dr. Tom Mack

3:10  The Development of Social Relationships in Captive Male Giraffa
      camelopardalis
      Amanda Steffen, Biology major
      Faculty Mentor: Dr. Michelle Vieyra
Poster Session
SAC Lobby
12:00-3:30 pm
(All posters will be on display from 12:00-3:30 pm with authors present from 2:00-3:30 pm.)

(RD-1) Synthesis of a Diels-Alder Cycloadduct, 8-aza-1,4-oxidobicyclo[4.3.0]non-2-ene, Using Trityl Chloride as a Steric Buttress
David Dragano, Chemistry major
Faculty Mentor: Dr. Nandeo Choony

(RD-2) The Orion Molecular Cloud
Brady Morris, English major
Faculty Mentor: Dr. Stelios Kapranidis

(RD-3) Gluten Free and Autism
Alisha Frazier, Nursing major
Faculty Mentor: Dr. Thayer McGahee

(RD-4) Response Interference and Activity-Based Anorexia in Rats
Nicole Streeb, Psychology/Business Management Major
Faculty Mentor: Dr. Edward Callen

(RD-5) The Effect of Lifestyle on Cognition in Aging
Christa Armfield, Psychology major
Faculty Mentor: Dr. Echo Leaver

(RD-6) Examining the Combined Impact of Hurt Disposition and Dispositional Jealousy on Emotional, Cognitive, and Behavioral Outcomes of Jealously Experiences
Abigail Mojica, Psychology major
Faculty Mentor: Dr. Laura N. May

(RD-7) Women’s Perceptions of How Having a Child as a Teenager has Impacted Their Lives
Rebekah LeMay, Psychology major
Faculty Mentor: Dr. Keri Weed

(RD-8) Level of Executive Function Predicts Tendency to Perseverate
Crystal Hamilton, Psychology major
Faculty Mentor: Dr. Dawn Morales

(RD-9) Using the Sleeping Beauty Transposon to Deliver HIV-1 Tat-dependent GFP
DeAnndra Pickens, Biology major
Faculty Mentor: Dr. Bill Jackson
(RD-10) **Short Interfering RNAs Successfully Down-Regulate the HIV-1 Transactivator of Transcription in a Transient Luciferase Assay**  
Alexander S. Jureka, Biology major  
Faculty Mentor: Dr. Bill Jackson

(RD-11) **Cloning of Pro-Apoptotic tBid into the Tat-Dependent Plasmid, pU3R**  
Priscilla Simon, Biology major  
Faculty Mentor: Dr. Bill Jackson

(RD-12) **Comparing the Abilities of siRNA and Hammerhead Ribozymes to Reduce Vif Expression in a Cell Model**  
Madison Sweet, Biology major  
Faculty Mentor: Dr. Bill Jackson

Awards Ceremony: SAC Mezzanine, 4pm

With Gratitude

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- Ms. Carol McKay  
- Dr. Dawn Morales  
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