BERRY COLLEGE

13th Annual SYMPOSIUM ON STUDENT SCHOLARSHIP

PROGRAM

Tuesday, April 16, 2013

2013 Symposium on Student Scholarship
April 16, 2013

8:30 – 10:45 a.m. Opening Plenary (Spruill Ballroom, Krannert Center)

Introduction of Speakers – Dr. Michelle Haney

Welcome to the Symposium – Dr. Kathy Brittain Richardson, Provost

Presentations by Berry Scholars

Vidhyaben Patel – Kirbo Scholar	Urban Poverty in India: A Firsthand Understanding of the Constructs and Challenges Faced by Women and Children *Mentor: Dr. Sarah Allred*
Katie Reagin – Kirbo Scholar	Epidemiology and Strain Specificity of *Trypanasoma cruzi* in the Southeastern United States *Mentor: Dr. Chris Hall*
Hillary Anderton – Richards Scholar	Argentina's Financial Crisis: How It Could Have Been Prevented *Mentor: Dr. Frank Stephenson*
Christina Le – Richards Scholar	Synthesis of TRH Tartrate and Charge Density Analysis *Mentor: Dr. Kenneth Martin*
Kelsey Dillehay – George Scholar	Social Relationships that Impact Life Satisfaction and Social Competence in Emerging Adulthood *Mentor: Dr. Alan Hughes*
Briana Stubblefield – George Scholar	Effects of Painting on Short-Term Mood Repair *Mentor: Dr. Kristen Diliberto-Macaluso*

11:00 – Noon **Session 1-A (Ballrooms C and D, Krannert Center)**
Moderator: Dr. Renee Carleton

Stephen Hall	An Analysis of the Effects of Glyphosate and Aluminum on Semi-Aquatic Animals *Mentor: Dr. Renee Carleton*
Leah Bolden and Connor Walsh	Ticks on the Berry College Campus: A Risk Assessment and Survey of Community Awareness *Mentor: Dr. Renee Carleton*
Leah Bolden, Kayla Davis, and Natalie Vert	Common Stimulant Drinks Increase Mouse Metabolic Rate *Mentor: Dr. Renee Carleton*

Session 1-B (Ballroom A, Krannert Center)
Moderator: Dr. Kristen Diliberto-Macaluso

Courtney Hansill	Advertising Directed Toward Children and its Potentially Shocking Impressions *Mentor: Dr. Nancy Miller*
Alyssa Smith	Consumer Willingness to Buy from Socially-Minded Businesses *Mentor: Dr. Nancy Miller*
Katie Weisbecker	The Retention of Young Non-Profit Employees *Mentor: Dr. Nancy Miller*
Brian Regan	The Effects of Coffee Shop Seating on Price, Attitude, and Intention to Buy *Mentor: Dr. Nancy Miller*

Session 1-C (Room 324, Krannert Center)
Moderator: Dr. Jim Watkins

Garrett Peace	Flannery O'Connor and James Joyce: A Study of Subversion in Epiphany *Mentor: Dr. Jim Watkins*

Ali McIntosh	Rape in Black and White: Walker and Allison's Survivor Communities *Mentor: Dr. Jim Watkins*
Krista Madeira	Cyclic Identity in *Bastard Out of Carolina* *Mentor: Dr. Jim Watkins*
Kasey Haessler	Gothic Reality: The Grotesque and Gothic in Dorothy Allison's Memoir, *Two or Three Things I Know for Sure* *Mentor: Dr. Jim Watkins*
Noon – 12:45 p.m.	**Lunch**
12:45 – 2:15 p.m.	**Poster Session (Memorial Library)**
2:30 – 3:30 p.m.	**Session 2-A (Room 324, Krannert Center)** *Moderator: Dr. Sarah Allred*
Chelesa Wegesin	Creative Pedagogy: Using Creative Enrichment in the Regular Education Classroom *Mentor: Dr. Ruth Ference*
Jordyn Wagner	Non-Amish Language Ideologies about the Speech of the Old Order Amish of Kishacoquillas Valley, Pennsylvania *Mentor: Dr. Timothy Knowlton*
Ashley-Rose Scholl	Community Engagement: Thoughts, Ideas, and Actions Amongst Faculty *Mentor: Dr. Sarah Allred*
Claire Horton	Conversations with Friends: Self-Advocates for Developmental Disabilities *Mentor: Dr. Michelle Haney*
	Session 2-B (Ballrooms C and D, Krannert Center) *Moderator: Dr. Kyle Caires*
Markie Fleming	Distribution of Phenotypic Variation in a Natural Population of *Ligustrum sinense* (Chinese Privet) *Mentor: Dr. John Graham*
Alice Boyd, William Howell, Austin Marlow, Mariah Leroux, and Daniel Hawes	A High Fat Diet Increases Developmental Stress Resulting in Increased Genetic Instability *Mentor: Dr. Chris Mingone*
Hailley Oxner, Caycee Creamer, and Rachael McCollum	RNAi Silencing of Neurotransmitters and their Degradative Enzymes Increases Fluctuating Asymmetry of Sensory Bristles in *Drosophila melanogaster* *Mentor: Dr. John Graham*
Rachel Lemcke, Anna Garber, and Ashlan Morris	Testis Tissue Explant Culture Supports the Survival and Maintenance of Equine Germ-line Stem Cells *Mentor: Dr. Kyle Caires*
	Session 2-C (Ballroom A, Krannert Center) *Moderator: Dr. Lauren Heller*
Alan Campell and Nathan Mock	How Social Media Effects College Students Across Majors in Academia *Mentor: Dr. Nancy Miller*
Drew Dillard	Facebook's Effect on Consumers' Attitudes and Intention to Buy *Mentor: Dr. Nancy Miller*
Allie LeFeuvre	An Evaluation of Expressing Emotions Through the Use of Punctuation in Text Messages *Mentor: Dr. Nancy Miller*

Christain Turner	Characteristics of Facebook User and their Behaviors Online *Mentor: Dr. Nancy Miller*
3:45 – 5:00 p.m.	**Session 3-A (Room 324, Krannert Center)** *Moderator: Dr. Brian Carroll*
Kimberly Treese	Friending Facades, Losing Our "Self" *Mentor: Dr. Kathy Richardson*
Alyssa Hollingsworth	Using Myth in Modern Fiction *Mentor: Dr. Abigail Greenbaum*
Jacob Stubbs	Death, the Historical Crisis, and the "Credo" *Mentor: Dr. Peter Lawler*
Joel Keene	Ancient Afronaut Theory *Mentor: Dr. Christy Snider*
Emily Caldwell	Understanding Modern Crime: The Causes of Child Sex Tourism in Thailand *Mentor: Dr. John Hickman*
	Session 3-B (Ballrooms C and D, Krannert Center) *Moderator: Dr. Jill Cochran*
Megan Walsh	Improving Problem Solving in High School Students through the Singapore Method *Mentor: Dr. Jill Cochran*
Hannah Bentley	Factors of High School Math Ability *Mentor: Dr. Jill Cochran*
Megan Hartmann	Taking the Guesswork Out of Estimation: Classroom Applications *Mentor: Sr. Jill Cochran*
Morgan Bair	Synthesis of Potential Anti-Cancer Agents through the Imino-ene Reaction *Mentor: Dr. Lindsey Davis*
Dillon Yost	Beyond the Limit: Using Optical Glass Microspheres to Achieve Superresolution *Mentor: Dr. Punit Kohli, Southern Illinois University*
	Session 3-C (Ballroom A, Krannert Center) *Moderator: Dr. Nancy Miller*
Olivia Brown	How Facebook Users React to Different Types of Sponsored Advertisements on Facebook *Mentor: Dr. Nancy Miller*
Drew Wilburn	Factors That Effect Nielson Ratings for Professional Sports Teams: A Comparison of Rebranded Franchises *Mentor: Dr. Nancy Miller*
Daniel Boccella	Advertising Clutter and its Effects on Consumers *Mentor: Dr. Nancy Miller*
Sarah Yeakel	Perception and How Weight and Tattoo Effect It *Mentor: Dr. Nancy Miller*
Jared Hall	Impact of School Sponsored Stipends on NCAA Student-Athletes *Mentor: Dr. Nancy Miller*

Symposium on Student Scholarship Poster Session
Memorial Library
April 16, 2013 at 12:45 p.m.

Animal Science

Suzannah Forbes, Troy Mulder, and Mary Patsimas	The Behavioral Effects of White-Tailed Deer to a Commercially Available Auditory Repellent *Mentor: Dr. George Gallagher*
Troy Mulder, Suzannah Forbes, and Mary Patsimas	The Efficacy of Milorganite® as a Repellent for Rabbits *Mentor: Dr. George Gallagher*
Fallon Newell	Spicing up Mastitis Treatment and Prevention: Anti-microbial Effects of Tumeric Compounds on the Growth of *Staphylococcus aureus*, *Escherichia coli*, and *Serratia marcescens* *Mentor: Dr. Kyle Caires*
Mary Patsimas, Suzannah Forbes, and Troy Mulder	Efficacy of Milorganite® as a Groundhog Repellent *Mentor: Dr. George Gallagher*
Averi Simpson	Developing an Ex Vivo Model for Bovine Spermatogonial Stem Cells *Mentor: Dr. Kyle Caires*
Megan Walton, Sarah Middlebrooks, Carson Kay, and Micah Stockwell-Goering	Impact of Feeding Cues on Circulating Concentrations of Ghrelin *Mentor: Dr. Jay Daniel*

Biology

Alice Boyd, William Howell, Austin Marlow, Mariah Leroux, and Daniel Hawes	A Method for Developing a High Fat Diet for *Drosophila melanogaster* and Test Development *Mentor: Dr. Chris Mingone*
Mary Castro, Sarah Grace Sapp, and Kyle Daniel	Calcium Resorption and Leaf Color Analysis in *Cornus florida* during Leaf Senescence *Mentor: Dr. Catherine Borer*
Kartee Johnson	The Use of Image Analysis in the Study of Sexual Dimorphism in *Lindera benzoin* (Spicebush) *Mentor: Dr. Martin Cipollini*
Vidhyaben Patel	Evaluation of Methods to Reduce Ecological Impacts of Urine Deposition During Extended Cave Exploration *Mentor: Dr. Catherine Borer*
Warren Stiles and Reid Popple	Identification of Striped Bass Spawning Sites in the Chattahoochee River Above West Point and Walter George Reservoirs, GA *Mentor: Dr. Bill Davin*

Bonner Scholars Program

Elvis Diaz, David Lillie, Sarah Pryor, Stephen Foster, Whitney Kubeja, Megan Hartmann, Drew Kratzer, Kane Quinones, Julia Jordan, Ashlan Morris, and Michael Clark	Factors Influencing High School Graduation Rates and College Attendance *Mentor: Dr. Nancy Edwards*
Ashley Jones, Kelsee Estes, Jordan Ferrell, Sarah Jones, Noemi de Miguel Mota, Dylan Provenzano, Greggory Robbins, Shannon Sanborn, Nathan Sutton, and Dana Wenger	A Comparison of Perceived Meaning in and Quality of Life amongst Local Area Homeless, and Insights into Their Lives and Experiences *Mentor: Dr. Julie Pynn*
Brooke Mitchell, JC Albritton, Markie Fleming, Caroline Jewell, Kayla Heflin, Katie Weisbecker, Jackson Pittard, Leora Levey, Rebeka Garcia, Morgan Bowen, and Victoria Sokolove	Food Availability for Rome City and Floyd County School Systems *Mentor: Dr. Sarah Allred*

Lauren Mullen, Benjamin Ortman, Geremy Grant, Nilab Naseri, Helen Williamson, Joshua Willis, Lucero Mendez, Jenn Fortnash, Corneliu Radu Rodila, and Abraham Zavala	Engaging Oppositions: Immigration in the Global Context of the Past, Present, and Future *Mentor: Dr. David LaFevor*
Amanda Petersen, Charlotte Collins, Amanda Bellamy, Cody Boyd, Colby Chapman, Ashleigh Day, John Evans, Latanza McCarver, Emily Melchior, Dylan Munsey, and Andrea Smith	Democratic Process and Election Case Study *Mentor: Dr. Nancy Miller*
Cinthya Roman, Shelby Rhea Strickland, Aaron Ogletree, Shadid Mahmethan, William Elijah Miller, Walid Naseri, William Petty, Savannah Wright, Kacee Culpepper, and Ethan Charles Reeves	The Impact of Loneliness in an Aging Population *Mentor: Dr. Pamela Dunagan*
Chemistry	
Madison Chandler and Robby Quarles	Purification of Cytochrome c for Electron Exchange Measurements *Mentor: Dr. Kevin Hoke*
Aaron Estes	Determination of Thermodynamic Properties of Polybenzene Möbius Molecules *Mentor: Dr. Ken Martin*
Amber Gaspard and Amanda Hearn	Syntheses of Novel Universal Fluorescent DNA Nucleosides *Mentor: Dr. Lindsey Davis*
Al Harding	Simultaneous Detection of Glucose and Lactic Acid in Flowing Environments *Mentor: Dr. Alice Suroviec*
Molly Lockart	Method Development for the Extraction, Derivitization, and Gas Chromatographic Analysis of 3-Phenoxybenzyl Alcohol *Mentor: Dr. Samantha Radford*
Marcella Putri	Development of Hydrogen-Bond Donor Catalysts *Mentor: Dr. Lindsey Davis*
Anna-Carson Rimer	Mutational Study of Bovine Leukemia Virus Matrix Protein *Mentor: Dr. Dominic Qualley*
Britney Stong and Karla Gann	Characterization of Bauxite Ores by Thermal Analysis (PTA, TGA, DTA) *Mentor: Dr. Charles Earnest*
Koty Swanson	Enzymatic Hydrogels as Biochemical Sensors *Mentor: Dr. Alice Suroviec*
Dillon Yost	Density Functional Theory Studies on an Interesting Diels-Alder Reaction *Mentor: Dr. Hans Martin Senn, University of Glasgow*
Communication	
Mary Claire Stewart	Pinning a Fantasy: An Application of Bormann's Fantasy Theme Analysis to the Rhetoric of Pinterest *Mentor: Dr. Randy Richardson*
Government and International Studies	
Fan Xiong	The Rise of the Religious Nones in the United States: The Existential Security Model *Mentors: Dr. Michael Bailey and Dr. John C. Hickman*
Management	
Kristin Brennan, Bas Marcus Du Vuyst, Madison Harris, and Graydon McCrite	Human Resources Integration of UnderArmour Sportswear in Brazil *Mentor: Dr. Saba Colakoglu*
Dakota Burke	Diamond Boards, LLC *Mentor: Dr. Paula Englis*
Alan Campell and Nathan Mock	The Smart Rack Hunting Attachment *Mentor: Dr. Paula Englis*

Adam Crump	A.C.R.E. Investments *Mentor: Dr. Paula Englis*
Drew Dillard, Caitlin Sawyers, Alyssa Smith, and Rebecca Stewart	Like, Add, or Follow: Managing Social Media in the Workplace *Mentor: Dr. Saba Colakoglu*
Casey Gray	What Influences Job Satisfaction in the Workplace? *Mentor: Dr. Saba Colakoglu*
Sal Guagliardo	Lucky Kernels *Mentor: Dr. Paula Englis*
John Hall	Golf Course Business Plan *Mentor: Dr. Paula Englis*
Ashley Harzog, Dakota Burke, Daniela Angulo, Nikki Cline, and Sal Guagliardo	Workforce Diversity: An Overview of Enhancing and Utilizing Diversity in the Workplace *Mentor: Dr. Saba Colakoglu*
Eric Latimer, Kyle Wilson, John Hall, Adam Crump, and Casey Gray	The Impact of Electronic Surveillance in the Workplace *Mentor: Dr. Saba Colakoglu*
Rachel Lemcke	Horse Breeding Using Quantitative Methods *Mentor: Dr. Paula Englis*
Brian Regan, Katherine Collum, CJ McRae, Willem Perry, and Rebecca Stephens	Utilizing Wellness Programs as Human Resource Strategy *Mentor: Dr. Saba Colakoglu*
Sheryl "Nikki" Taylor	Advanced Entrepreneurship Business Model Canvas *Mentor: Dr. Paula Englis*
Kyle Wilson	CoDesign: Business Plan *Mentor: Dr. Paula Englis*
Marketing	
Kevin Dressner	Student Assessments of the Future Implications of Work Experience at Berry College *Mentor: Dr. Nancy Miller*
Psychology	
Cailin Baker, Shaylee Burningham, and Will Corley	Perceptions of High School Students with Intellectual Disabilities about Going to College and Transitioning from High School *Mentor: Dr. Michelle Haney*
Caitlin Freeman, Claire Horton, and Kati Wright	Healthy Living Class: Exploring Physical Wellness in a Population of Adults With Intellectual Disabilities *Mentor: Dr. Michelle Haney*
Aaron Ogletree	Gerotranscendence: The Paradigmatic Shift from Young Adulthood to Late Adulthood *Mentor: Dr. Michelle Haney*
Andrew Ryndak	Mortality Salience Effects on Perception of In/Out Group Membership: A Study in Terror Management *Mentor: Dr. Kristen Diliberto-Macaluso*
Munazza Waseem and Rose Gregoire	Gender Bias in Employability due to Religious and Non-Religious Tattoos *Mentor: Dr. Kristen Diliberto-Macaluso*

COUNCIL ON STUDENT SCHOLARSHIP

Michelle Haney, Chair
Sarah Allred
Brian Carroll
Renee Carleton
Jill Cochran
Kristen Diliberto-Macaluso
Lauren Heller
Nancy Miller
Kristian Canler
Katherine Russell
Chris Zefting
Martha Reynolds

Matthew Stanard, ex officio
Donna Davin, ex officio
Kathy Richardson, ex officio

BERRY SCHOLARS PROGRAM

Outstanding student scholars are supported through a number of college resources. Toward this end, a number of named research awards have been developed that comprise the Berry Scholars Program. Descriptions of the Berry Scholar Program awards are listed below.

The Richards Scholars Program is named for Mrs. Alice Richards and her family and is designed for Berry students in their junior and senior years. The goal of the program is to help students move beyond the excellent work characteristic of many Berry students to a superlative level through a one-on-one working relationship with a faculty mentor. This program awards $5,000 to Berry College students and $1,000 to a faculty mentor.

The Kirbo Scholars Program is a grant funded by the Thomas M. and Irene B. Kirbo Charitable Trust. Kirbo Scholars are students who have completed at least 24 credit hours at Berry College. This annual scholarship awards up to $1,250 to Berry College students to support projects related to the student's academic research or growth experiences such as study abroad, internships, or artistic endeavors.

The Ralph George Scholarship is named for Mr. Ralph George, who was a 1940 graduate of Berry College in the agricultural program. This program is designed to help Berry psychology students in their junior and senior years. The goal of the program is to help students move beyond the excellent academic characteristics of many Berry students to a superlative level through a one-on-one working relationship with a psychology faculty mentor. Each George Scholar will receive up to a $5000 grant to be used over the last two years at Berry; the faculty mentor will receive $1000 to support the mentor's professional goals.

The Synovus Sophomore Scholars Program makes awards to rising sophomores to support the student's exploration of academic, research, growth experiences (such as practicums, research, internships, entrepreneurial service or work projects), or artistic endeavors. The program offers awards of up to $2,000 to Berry College students and $500 for faculty or staff mentor.