SUMMER RESEARCH SYMPOSIUM

ALLEGHENY COLLEGE

NOVEMBER 1, 2014 • 10 AM – NOON
CAMPUS CENTER SECOND FLOOR BALCONY
Lee Ann Adelsheim  
My Summer in Khaki and White: A Courier’s Experience in Eastern Kentucky  
Project Site: Frontier Nursing University, Kentucky  
Mentor: Anna Carey  
Majors: Neuroscience and Global Health Studies  
Funding: Howard Hughes Medical Institute

Colleen Bodnar, Colleen Silly, and Nick Izzo  
Co-localization of Amyloid Beta and Tau  
Project Site: Cognition Therapeutics, Pittsburgh, PA  
Mentors: Colleen Silly and Nick Izzo  
Majors of first author: Neuroscience and Psychology  
Funding: Cognition Therapeutics

Katherine Burgert  
The Effects of Interspecific Competition on the Diets of two Darter Species, Etheostoma zonate and E. blemnioideus, in two Pennsylvania Streams  
Project Site: French Creek Watershed  
Mentor: Casey Wilson  
Major/Minor: Environmental Science/Spanish  
Funding: Dean’s Fund for Student and Faculty Research

Katelyn Cassel, Sean Stocker, and Kirsteen Browning  
High Fat Diet Attenuates the Actions of Glucose to Modulate Vagal Afferent Responses to 5-HT  
Project Site: Penn State Hershey College of Medicine  
Mentors: Sean Stocker and Kirsteen Browning  
Major/Minors of first author: Neuroscience/Biology and Global Health Studies  
Funding: American Heart Association and Allegheny College Gateway

Katie Cornille  
Metabolic Incorporation of Alkyne-Modified Isoprenoid Analogues in Human Cells  
Project Site: University of Minnesota  
Mentor: Mark Distefano  
Major/Minor: Chemistry/Chinese and Biology  
Funding: National Institutes of Health

Austin Cosgrove  
Meadville’s Community Health Needs Assessment  
Project Site: Meadville Medical Center and Allegheny College  
Mentor: Rebecca Dawson  
Major/Minor: Biochemistry/Global Health Studies  
Funding: Meadville Medical Center

Kevin Crooks and Alyssa Rapelje  
A Comparison of Orphanage Homes and Facilities in Rural Kenya  
Project Site: Peaceful Children’s Home, Kianyaga, Kenya  
Mentor: Rebecca Dawson  
Major/Minor: Biology/VESA and Global Health Studies  
Funding: Howard Hughes Medical Institute

Nicholas Gordon  
The Business Evil: Ethical Culpability of Administrators in Organizations  
Project Site: Allegheny College  
Mentor: Eric Boynton  
Major/Minor: Political Science/Philosophy  
Funding: Andrew W. Mellon Foundation Grant for Collaborative Undergraduate Research in the Humanities at Allegheny College

Scott Keefee  
Bleacher Bums and Black Belt Fans: Social Divisions and the Cubs-White Sox Rivalry, 1871-1921  
Project Site: Chicago, Illinois  
Mentor: Frank Forts  
Major/Minor: History/Religious Studies and German  
Funding: Kenneth K. Robertson ’65 Fund and Class of 1939 Student Research Fund

Nia Miller  
Metaphor in the Science  
Project Site: Allegheny College  
Mentor: Valerie Prince  
Major/Minor: Psychology/Black Studies  
Funding: Andrew W. Mellon Foundation Grant for Collaborative Undergraduate Research in the Humanities at Allegheny College

Kathryn Mohan and Eamon Ols  
Puzzles and Personality: Traits of Autism and Weak Central Coherence in College Students  
Project Site: Allegheny College  
Mentor: Monali Chowdhury  
Major/Minor: Psychology/German  
Funding: Edward David Class of 1961 Faculty Support Fund and Charles Coffin and Ann S. Fritts ’76 Dean’s Discretionary Fund

Mary Nagel and Elizabeth Schafer  
Addressing Community Health Perceptions with Key Informant Interviews  
Project Site: Allegheny College  
Mentor: Rebecca Dawson  
Majors of first author: Global Health Studies/Economics  
Funding: Meadville Medical Center and MARCWellness Grant

Alexander Porter  
Toward Synthesis of a P-Stereogenic Frustrated Lewis Pair  
Project Site: Allegheny College  
Mentor: Timothy Chang  
Major/Minor: Chemistry/Economics  
Funding: The Lord Charitable Trust

Erica Salizion  
Determining the Major Health Outcomes in the Meadville Community  
Project Site: Allegheny College  
Mentor: Rebecca Dawson  
Major: Health and Biology  
Funding: Howard Hughes Medical Institute

Karina Sarver, Jillian Galtatinn, and Katelyn Nicewander  
Healthy Homes - Healthy Children: Personalized Interventions to Help Families Reduce Household Risks  
Project Site: Allegheny College and Meadville Community  
Mentor: Caryl Wagett  
Major/Minor of first author: Neuroscience/Political Science  
Funding: Howard Hughes Medical Institute

Lee Scandriario  
Inventions: Science Technology and Personality  
Project Site: Allegheny College  
Mentor: Beth Watkins  
Major/Minor: Communication Arts/Political Science  
Funding: Andrew W. Mellon Foundation Grant for Collaborative Undergraduate Research in the Humanities at Allegheny College

Samantha Skobel  
Demonstration of Experimental Uses for Various Histological Stains and Neuronal Tracers in Rats  
Project Site: Allegheny College  
Mentor: Jeff Cross  
Major/Minor: Neuroscience Major/Dance and Movement Studies  
Funding: Dr. Barbara Lotze Student-Faculty Research Fellowship Fund

Khalia Thompson  
Behavioral Health Intervention Model for Young Children in Urban Cities  
Project Site: Philadelphia, PA  
Mentor: Marisol Negron  
Major/Minor: Environmental Science/Environmental Writing  
Funding: Howard Hughes Medical Institute

Sara Townsend, Robert DiFazio, and JoAnne Flynn  
Identifying Markers of Vaccine-Induced Protective Immunity to Tuberculosis in a Non-Human Primate Model  
Project Site: University of Pittsburgh, School of Medicine  
Mentors: Robert DiFazio and JoAnne Flynn  
Major/Minor: Biology/Spanish and Global Health Studies  
Funding: Howard Hughes Medical Institute

Susan Washko  
Do Nutrients Released During Detritus Processing in Ponds Stimulate a Bottom-Up Signal from Algae to Herbivores?  
Project Site: Rocky Mountain Biological Laboratory, Gothic, Colorado  
Mentor: Scott Wissinger  
Major/Minor: Environmental Science/Spanish  
Funding: Edward David Class of 1961 Faculty Support Fund

Lauren Wind, Katherine Phetxumphou, and Andrea Dietrich  
Assessing Reactivity of Nanoforin through a Colorimetric Assay, SPME-GCMS, and Thiobarbituric Acid Reactive Substances  
Project Site: Virginia Tech, Blacksburg, Virginia  
Mentors: Katherine Phetxumphou and Andrea Dietrich  
Major/Minor: Environmental Science/Chemistry and Spanish  
Funding: National Science Foundation - Research Experience for Undergraduates

Sharon Zavala  
Media portrayal of Gypsies in Argentina  
Project Site: Buenos Aires, Argentina  
Mentor: Dalia Szulik  
Major: Environmental Studies and Spanish  
Funding: Study Abroad Class Project

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