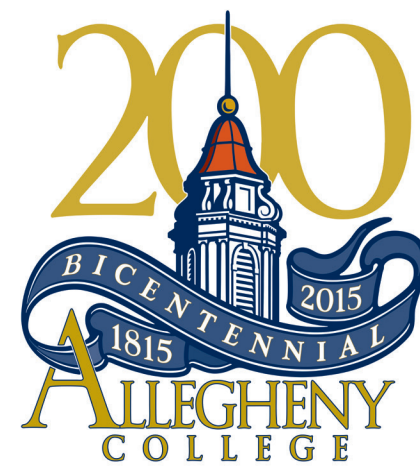




# SUMMER RESEARCH SYMPOSIUM

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 zonale and E. blennioides, 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 Analogs in Human Cells**

*Project Site:* University of Minnesota  
*Mentor:* Mark Distefano  
*Major/Minors:* Chemistry/Chinese and Biology  
*Funding:* National Institutes of Health

**Austin Cosgrove**  
**Meadville's Community Health Needs Assessment**

*Project Sites:* 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/Minors:* 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 Keefer**  
**Bleacher Bums and Black Belt Fans: Social Divisions and the Cubs-White Sox Rivalry, 1871-1921**

*Project Site:* Chicago, Illinois  
*Mentor:* Frank Forts  
*Major/Minors:* 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 Olsa**  
**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 Chapp  
*Major/Minor:* Chemistry/Economics  
*Funding:* The Lord Charitable Trust

**Erica Salizzoni**  
**Determining the Major Health Outcomes in the Meadville Community**

*Project Site:* Allegheny College  
*Mentor:* Rebecca Dawson  
*Majors:* Global Health and Biology  
*Funding:* Howard Hughes Medical Institute

**Karina Sarver, Jillian Gallatin, and Katelyn Nicewander**  
**Healthy Homes - Healthy Children: Personalized Interventions to Help Families Reduce Household Risks**

*Project Sites:* Allegheny College and Meadville Community  
*Mentor:* Caryl Waggett  
*Major/Minor of first author:* Neuroscience/Political Science  
*Funding:* Howard Hughes Medical Institute

**Lee Scandinaro**  
**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/Minors:* 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 Nanoiron through a Colorimetric Assay, SPME-GCMS, and Thiobarbituric Acid Reactive Substances**

*Project Site:* Virginia Tech, Blacksburg, Virginia  
*Mentors:* Katherine Phetxumphou and Andrea Dietrich  
*Major/Minors:* 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  
*Majors:* Environmental Studies and Spanish  
*Funding:* Study Abroad Class Project

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