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Summer  
Research  
Symposium  
2013



ALLEGHENY  
COLLEGE

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## Summer Research Symposium 2013 Student Poster Presentations

### **Does the Importance of Moral Identity Predict (Un) Fair Behavior?**

*Vincent Reginella and Breana Gallagher*

**Research Site:** Allegheny College - Center for Economic and Environmental Development

**Mentor:** Lydia Eckstein Jackson

**Major/Minor of first author:** Psychology/Religious Studies

**Funding:** Professor Louis Jefferson Long Fund and Edward David Class of 1961 Fund

### **Inventions: Science, Technology, and Personality**

*Lee Scandinaro*

**Research Site:** Allegheny College

**Mentor:** David Statman

**Major/Minor:** Communication Arts and Political Science/  
Theatre

**Funding:** Andrew W. Mellon Foundation - Undergraduate Research in the Humanities Fund

### **Strawberry Fields Forever: Community-Based Theatre in an Agricultural Town**

*Katie Beck*

**Mentor:** Beth Watkins

**Project Site:** Cornestone Theater Company, Salinas, California

**Major/Minor:** Theatre/VESA and Writing

**Funding:** Howard Hughes Medical Institute-Global Health Fund and Summer Bonner Travel Fund

### **Healthy Homes - Healthy Children: Striving to Make All Homes in Northwest Pennsylvania "Healthy Homes"**

*Katelyn Nicewander, Karina Sarver, and Katelyn Cassel*

**Project Site:** Allegheny College

**Mentor:** Julian Kim

**Major/Minor of First Author:** Neuroscience/Political Science

**Funding:** The Fahrner Fund for Community Engagement

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**50 State Quarter Program: Alternate Designs and State Identity**

*Peter Bergman*

**Mentor:** Ian Binnington

**Project Site:** Allegheny College

**Major/Minor:** Double Major in History and Theatre /Minor in Religious Studies

**Funding:** Andrew W. Mellon Foundation - Undergraduate Research in the Humanities Fund

**West H. Humphreys: A Civil War Impeachment**

*Kaitlin O'Brien*

**Mentor:** Ian Binnington

**Project Site:** Allegheny College

**Major/Minor:** History/Chemistry

**Funding:** The Dean's Fund for Student and Faculty Research

**Incorporation of Alkyne-Modified Farnesyl Diphosphate Analog in Live Mice**

*Katie E. Cornille, Charuta C. Palsuledesai, Sahowu Cheng, Ling Li, and Mark D. Distefano*

**Mentor:** Mark D. Distefano

**Project Site:** University of Minnesota

**Major/Minor of First Author:** Chemistry/Studio Art

**Funding:** National Institutes of Health

**Molecular Phylogenetic Analysis of Non-Sexually-Transmitted Strains of *Haemophilus ducreyi***

*Jordan Gaston*

**Mentor:** Tricia L. Humphreys

**Project Site:** Allegheny College

**Major/Minor:** Biochemistry/Theater

**Funding:** Biology Department, Travel funds from ACCEL and HHMI Global Health Grant

**George W. Bush and Volatile Politics: Exceeding the Incremental Limit**

*Amelia Pennington*

**Mentor:** Brian Harward

**Project Site:** Allegheny College

**Major/Minor:** Political Science/Communication Arts

**Funding:** Charles Coffin and Ann S. Fritts '76 Deans Discretionary Fund

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**B7-H4Ig Inhibition of Multiple Sclerosis Models in Mice  
and Human T cells**

*Alice Tischler and Joseph Podojil*

**Mentor:** Joseph Podojil

**Project Site:** Northwestern University

**Major/Minor of First Author:** Biology/Global Health and  
Development

**Funding:** Howard Hughes Medical Institute-Global Health Fund

**Diversity of Terrestrial Insects within the Bousson  
Environmental Research Reserve**

*Ian Lim-Bonner*

**Mentor:** Beth Choate

**Project Site:** Allegheny College

**Major/Minor:** Environmental Science / Political Science

**Funding:** Shanbrom Student and Faculty Research Fund

**High fat diet leads to changes in cellular localization of  
glucose transporters 1 and 3 within vagal sensory  
neurons**

*LaVerne Thompson and Kirsteen N. Browning*

**Mentor:** Kirsteen Browning

**Project Site:** Penn State Hershey Medical College

**Major/Minor of First Author:** Neuroscience/English

**Funding:** National Institutes of Health and the American Heart  
Association

**The Motherload: Women's Work and Digital Culture**

*Larissa Card*

**Mentors:** Julie Wilson and Emily Yochim

**Project Site:** Allegheny College

**Major/Minor:** Communication Arts/Chinese Studies

**Funding:** Andrew W. Mellon Foundation - Undergraduate  
Research in the Humanities Fund

**Identifying Health Facilitators and Barriers in  
Restaurants**

*Cailyn Lingwall*

**Mentor:** Caryl Waggett

**Project Site:** Allegheny College and Meadville Community

**Major/Minor:** Global Health Studies/Political Science

**Funding:** Howard Hughes Medical Institute-Global Health Fund

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### **Corporatizing Global Health**

*Aviv Crowell Lang*

**Mentor:** Ishita Sinha Roy

**Project Site:** Allegheny College

**Major/Minor:** Behavioral Economics/Studio Art

**Funding:** Howard Hughes Medical Institute-Global Health Fund

### **Characterizing the relationship between contact angle and depletion layer using surface plasmon resonance spectroscopy**

*Shannon Petersen*

**Mentor:** Adèle Poynor

**Project Site:** Allegheny College

**Major/Minor:** Physics/Math and Writing

**Funding:** Dean's Fund for Student and Faculty Research

### **Silencing Concerns of Pesticide Pollution in French West and Equatorial Africa**

*Jessica Gruber*

**Mentor:** Sarah Hardin

**Project Site:** Allegheny College

**Major/Minor:** History/French

**Funding:** Andrew W. Mellon Foundation - Undergraduate Research in the Humanities Fund

### **¿Por qué creyó? A Study of Cuban Identity and Support for the Revolution**

*Kaitlyn Torres*

**Mentor:** Barbara Riess

**Project Site:** Allegheny College

**Major/Minor:** Spanish and Philosophy double major/Political Science minor

**Funding:** Andrew W. Mellon Foundation - Undergraduate Research in the Humanities Fund

### **Computerized method of measuring contact angles**

Ariel Statman and Mark Seraly

**Mentor:** Adele Poynor

**Project Site:** Allegheny College

**Major/Minor of First Author:** Major/Philosophy

**Funding:** Shanbrom Student and Faculty Research Fund

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**Success Abroad: Driving the Experience Home**

*Alexander Bennett*

**Mentor:** Ishita Sinha Roy

**Project Site:** Allegheny College

**Major/Minor:** English/History

**Funding:** Andrew W. Mellon Foundation - Undergraduate  
Research in the Humanities Fund

**Identifying the Most Informative Single Nucleotide  
Polymorphisms in the Domestic Dog Mitochondrial  
Genome**

*Andrew Culp*

**Mentor:** Kristen M. Webb

**Research Site:** Allegheny College

**Major/Minor:** Biology/Psychology

**Funding:** Work Study

***Did You Know?***

75 students conducted research on the Allegheny  
College campus during the Summer of 2011.

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