

ACCELebration

SUMMER RESEARCH SYMPOSIUM

SUMMER LEARNING

Students have participated in important summer learning and research opportunities thanks to the hard work and support of the Allegheny College faculty and the Allegheny College Center for Experiential Learning (ACCEL).

During the summer of 2012:

- 113 students participated in five credit-bearing Experiential Learning (EL) seminars
- 21 students participated in ACCEL-sponsored internships in Washington, D.C.
- Students interested in the health professions were involved in various programs:
- 17 EL Health Care Term participants
- 16 Preceptorship participants
- 38 Health Coaches trained
- 22 Meadville Medical Center volunteers
- 18 CNAs trained
- 5 pre-legal students participated in shadowing experiences
- 35 students worked in non-profit organizations in Meadville through the Bonner and Davies Leader programs
- 11 students worked with national and international community partners through the Bonner program
- 69 students participated in the annual week-long Collegiate Leadership Conference
- 96 students and organizations received funding for experiential learning experiences—internships, research, and shadowing

The outstanding students selected to present today were nominated by faculty and administrators involved in summer learning programs. Creating opportunities for students to give back to communities near and far is foundational to the College's philosophy.

ACCELebration, Summer Learning, and the Summer Research Symposium all afford these students the chance to publicly share what they have learned as well as a wonderful opportunity to give back to the Allegheny College community.



ALLEGHENY COLLEGE

The national liberal arts college where 2,100 students with unusual combinations of interests, skills and talents excel.



ALLEGHENY COLLEGE

OCTOBER 20, 2012

SUMMER RESEARCH POSTER PRESENTATIONS

Family Weekend (Oct 20th, 2012)

Campus Center Second Floor

Ashley Baronner

Balancing Eating and Movement in Meadville, Passport to a Healthier You

Project Sites: Allegheny College/Meadville Community

Mentor: Caryl Waggett

Major/Minor: Biology/Environmental Public Health

Funding: Fahrner Fund for Community Engagement

Erin Brown, Jessica Jeroski, Miryam Gonzalez

The Effect of Contact Angle on the Interaction of Water with a Hydrophobic Surface

Project Site: Allegheny College

Mentor: Adele Poynor

Major/Minor of first author: Physics and Chemistry double major

Funding: McCune Fund for Student Research

Bryan Chavez, Sara Majetich, Ryan Booth

High Frequency Permeability of Iron Oxide Nanoparticle Assemblies

Project Site: Carnegie Mellon University

Mentors: Sara Majetich and Ryan Booth

Major/Minor of first author: Physics/Religious Studies

Funding: National Science Foundation-REU Program

Colleen Friel, Catharina Coenen

Auxin Effects on Root Exudation

Project Site: Allegheny College

Mentor: Catharina Coenen

Major/Minor of first author: Biochemistry/Economics

Funding: Research Fellowship from American Society of Plant Biologists

Jessica Giles and Linnea Homa

The Expression of Various Genes Involved in Apoptosis of the IRBP -/- Mus musculus

Project Site: Allegheny College

Mentor: Christy Donmoyer

Major/Minor of first author: Biology/Dance and Movement Studies

Funding: Shanbrom Student Research Fund (Giles), McCune Fund for Student Research (Homa)

Maggie Hanafin

Effect of Trophic Status on Unionid Mussels in the Outlets of the 11 Finger Lakes

Project Sites: Finger Lakes, NY/Allegheny College

Mentors: Scott Wissinger and Milton Ostrofsky

Major/Minor of first author: Environmental Science/Spanish

Funding: Class of 1939 Student Research Fund

Blair Hartman, Brian Thummler, Anne Maglione, Dan Winston, Lee Scandinaro, Bolatito Aderemilbitola, Kevin Van Develde

Devising in the Dirt: The Process of Playing Dirty

Project Site: Vukovich Center/Allegheny College

Mentor: Beth Watkins

Major/Minor of first author: Theatre/Political Science

Funding: National Endowment of the Humanities Fund

Taylor Hinton, Kate Darby

Knowledge Acquisition and Edible Gardening Among Low-Income Households In Meadville, PA

Project Sites: Allegheny College/Meadville Community

Mentor: Kate Darby

Major/Minor of first author: Environmental Studies/English

Funding: Fahrner Fund for Community Engagement

Matt Kelley, Sharon Wesoky, Laura Quinn

The Self and the World: Marxist and Buddhist Conceptions of the Conditioned Self

Project Site: Allegheny College

Mentor: Sharon Wesoky

Major/Minor of first author: Political Science/Philosophy

Funding: National Endowment of the Humanities Fund

Dylan D. McCreary, Lauren B. French

Trafficking of the BK Channel by the Beta-4 Subunit: Defining a Protocol

Project Site: Allegheny College

Mentor: Lauren French

Major/Minor of first author: Neuroscience and Psychology double major

Funding: Shanbrom Student and Faculty Research Fund

Allison Nettnin, Dan Bauer

Digital Domesticity: Mothers, Women's Work, and New Media

Project Site: Allegheny College

Mentors: Emily Yochim and Julie Wilson

Major/Minor of first author: English/Black Studies

Funding: National Endowment of the Humanities Fund

Hannah Phillips

Comparing Neural Pathways in Autistic and Non-Autistic Rats: Use of Fluorescent Anterograde and Retrograde Tracers

Project Site: Allegheny College

Mentor: Jeff Cross

Major/Minor of first author: Neuroscience/Music Performance

Funding: Shanbrom Student and Faculty Research Fund

Nicholas Romano, Tamás Börzsönyi, Balázs Szabó

Oriental Order and Alignment of Discotic Particles Induced by Shear

Project Site: Hungarian Academy of the Sciences, Budapest, Hungary

Mentor: David Statman

Major/Minor of first author: Physics/Math and Political Science

Funding: National Science Foundation

Marla Sacks, Nádor Éber, Péter Salamon

Observation of Pattern Formation on 5CB under AC and DC Electroconvection

Project Site: Hungarian Academy of the Sciences, Budapest, Hungary

Mentor: David Statman

Major/Minor of first author: Physics /Psychology

Funding: National Science Foundation

Kelly Smith, Lauren French

Snail Venom and Drug Development

Project Site: Allegheny College

Mentor: Lauren French

Major/Minor of first author: Neuroscience/Religious Studies

Funding: Richard J. Cook and Teresa M. Lahti Student-Faculty Research Endowment

Rachel Stegemann, Alice Deckert, Jackie Sikora, Brittany Rauzan

The Kinetics of RNA/DNA Duplexing

Project Site: Allegheny College

Mentor: Alice Deckert

Major/Minor of first author: Biochemistry/Math and Dance

Funding: Richard J. Cook and Teresa M. Lahti Student-Faculty Research Endowment

Gabrielle Stitt

Customer Satisfaction: Fan Power and Corporate Structure

Project Site: Allegheny College

Mentor: Ishita Sinha Roy

Major/Minor of first author: Creative Writing/Psychology

Funding: National Endowment of the Humanities Fund

Keiron Stoddart, Doros Petasis, Codi Sanders, Kim Dunbar

EPR Studies of the Spin Crossover Characteristics of Trigonal Bipyramidal Metal Clusters

Project Site: Allegheny College

Mentor: Doros Petasis

Major/Minor of first author: Physics/Economics

Funding: Harold M. State Research Fellowship

Brianne Zins, Istvan Janossy

Light Induced Birefringence in Nematic Liquid Crystals

Project Site: KFKI Research Institute for Particle and Nuclear Physics, Budapest, Hungary

Mentor: David Statman

Major/Minor of first author: Physics and English double major

Funding: National Science Foundation

EXPERIENTIAL LEARNING TRAVEL SEMINARS AND ACCEL INFORMATION TABLE

10:00 a.m. - Noon

Campus Center Second Floor

Stop by to chat with members of the staff from the Allegheny College Center for Experiential Learning to learn about the services, programs or opportunities available through the ACCEL office. Additionally, gather information about the ACCEL Travel Seminars that will be available for May, 2013 and meet the faculty involved in those trips.