

ACCELebration

SUMMER RESEARCH AND LEARNING SYMPOSIUM

SEPTEMBER 25, 2010

Students have experienced significant summer learning and research opportunities through the Allegheny College faculty and the Allegheny College Center for Experiential Learning (ACCEL). During the 2010 summer:

- 82 students participated in five credit-bearing travel seminars
- 72 students participated in research with Allegheny faculty
- 18 students participated in the EL Health Care Shadow program
- 1 student participated in the Meadville Medical Center ER Technician internship
- 19 students completed internships in Washington, D.C.
- 39 students worked in non-profit organizations in Meadville through the AVSL, Bonner, Davies Leader, and Summer AmeriCorps Vista programs
- 67 students participated in the annual Collegiate Leadership Conference
- 2 students launched the experiential learning component of Global Health & Development by serving with Remote Area Medical volunteer corps in New Orleans, LA
- 7 students in the Bonner program worked in other parts of the world
- 11 students worked for an intensive week of service with the college chapter of Habitat for Humanity
- 13 students participated in Habitat for Humanity Blitz Builds outside of Pennsylvania
- 55 students received funding for experiential learning experiences - internships, conferences, research, service learning 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 and the Summer Research and Learning Symposium all afford these students the chance to publicly share what they learned and a wonderful opportunity to give back to the Allegheny College community.

ALLEGHENY COLLEGE

ORAL PRESENTATIONS

11 a.m.

Campus Center 301/302

Katherine Bowser

Health Issues in Nicaragua

EL Travel Seminar

Mentor: Kirsten Peterson, Michaeline Shuman

Major: Political Science

Amy Frake

Geography of the Holy Land: Isreal

EL Travel Seminar

Mentor: Eric Pallant, Shanna Kirschner

Majors/Minor: International Studies, History/Chinese

Emma Hudson

Theater in Britain

EL Travel Seminar

Mentor: Beth Watkins, Jim Bulman

Major/Minor: English/History

Megan Knox

Internship at the Association for Diplomatic Studies and Training in Washington, D.C.

Mentor: Jim Fitch

Major/Minor: Political Science/French

SUMMER RESEARCH POSTER PRESENTATIONS

10 a.m. – Noon

Campus Center Second Floor

John A. Milligan

Design and Synthesis of Coumarin-Based Li+ Fluorescent Probes

Research Site: University of Wisconsin-Madison

Mentor: Diane Nutbrown

Major/Minor of first author: Chemistry/Communication Arts

Funding: Demchak Fund

Mallory Scott

Synthesis of Metal Chelator Compounds Used as Model Systems for the Interpretation of Complex EPR Spectra

Research Site: Allegheny College

Mentor: Doros Petasis

Major/Minor of first author: Physics/Religious Studies

Funding: Shanbrom Fund

Mingyuan Song

NGO Actions on Rural Development in China: The Anlong Model Eco-Village

Research Site: Chengdu, China

Mentors: Terrence Bensel, Sharon Wesoky

Major/Minor of first author: Environmental Studies/Geology

Funding: AW Mellon Foundation, Clarence and Helena Mumaw Schwartz Student Education Enhancement Fund

Amanda Downey

Evaluation of Brain Injury Through Histological Staining: Is Use of Project Cadence Safe?

Research Site: Cleveland Clinic, Department of Neurosurgery

Mentor: Jeff Cross, Stephen Dombrowski

Majors of first author: Neuroscience, Psychology

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

Katie Huser, Ashley Baronner

Striving To Make Homes in Northwest Pennsylvania “Healthy Homes”

Research Site: Allegheny College, Crawford County

Mentor: Garyl Waggett

Major/Minor of first author: Environmental Science/Economics

Funding: Fahrner Funding, Dean's Fund for Student and Faculty Research

Ian Armstrong, Anthony Smith

The GatorUAV: A Case Study in Parallel Programming on Embedded Systems

Research Site: Allegheny College

Mentor: Matthew Jadud

Major/Minor of first author: Chemistry/Psychology

Funding: Shanbrom Research Fund

Karl Smith

Design, Construction and Testing of Modulations Coils for Immersion Cryostat EPR Spectrometers

Research Site: Allegheny College

Mentor: Doros Petasis

Majors of first author: Physics, English

Funding: Dean's Fund for Student and Faculty Research

Michael D. McCann

Non-Nearest Neighbor—Dependence of the Stability for RNA Group II Single Nucleotide Bulge Loops

Research Site: Allegheny College

Mentor: Martin Serra

Major/Minor of first author: Biochemistry/Psychology

Funding: National Science Foundation, The Paul E. and Mildred L. Hill Fund

Teresa Bensel, Emma Cook, Cynthia Lee, Xi Lu, Matthew Reilly, Gretchen Wood

CEED's Arts and Environment Community Arts Initiatives

Research Site: Meadville, PA

Mentors: Amara Geffen

Major/Minor of first author: Art and Technology/Art and the Environment

Funding: Dean's Fund for Student and Faculty Research, Shanbrom Fund, Fahrner Fund, Davies Fund, CEED Office

Marci Potuzko

Electroconvection in Liquid Crystals

Research Site: Research Institute for Solid State Physics and Optics in Budapest, Hungary

Major/Minor of first author: Physics/Economics

Funding: National Science Foundation, Dean's Fund for Student and Faculty Research, ACCEL

Erin Nawrocki

Antimicrobial Activity of Resveratrol Against Haemophilus ducreyi

Research Site: Allegheny College

Mentor: Tricia Humphreys

Major/Minor of first author: Biology/American Studies

Anna Bitting

Effects of Applied Electrical Fields on Homeotropically Aligned Liquid Crystals in a Finite Electrode Cell

Research Site: Hungarian Academy of Sciences Research Institute for Solide State Physics and Optics

Mentors: Nandor Eber, David Statman

Major/Minor of first author: Chemistry/History

Funding: National Science Foundation

Ogechi Nwokedi

Gene Expression in Interphotoreceptor retinoid-binding protein (IRBP) knockout mus musculus

Research Site: Emory University Eye Center

Mentor: Christy Donmoyer

Major/Minor of first author: Biology/Religious Studies

Funding: Shanbrom Fund

OFF-CAMPUS STUDY
POSTER PRESENTATIONS

10:00 a.m. – Noon

Campus Center Second Floor

JAMES COOK UNIVERSITY, AUSTRALIA

Shane Downing

Major: Environmental Science

Ashley Klingensmith

Major: Biology

Jennifer Lonnen

Major: Biology

Emma Wise

Major: Biochemistry

Jessica Piette

Majors: English/Environmental Science

CAPITAL NORMAL UNIVERSITY, CHINA

Michelle Levesque

Major: International Studies

SCHOOL FOR FIELD STUDIES, COSTA RICA

Emma Helverson

Major: Environmental Science

Peter Meineckie

Major: Environmental Studies

Alessandra Trunzo

Major: Environmental Studies

COUNCIL ON INTERNATIONAL STUDENT EXCHANGE

Dan Paul

Majors: Biology/Environmental Science

WASHINGTON, D.C. SEMESTER

Marc Dulay

Major: Economics

Amelia Hect

Majors: Political Science/Women's Studies

Sonia Sequeira

Major: Environmental Studies

DUKE UNIVERSITY MARINE LAB SEMESTER

Mark Kirk

Major: Biology

LANCASTER UNIVERSITY, ENGLAND

Isabel Abrams

Major: Biology

Kirsten Ohmer

Majors: Neuroscience/Psychology

Maria Simon

Major: English

Samantha Stanko

Majors: English/Women's Studies

OXFORD UNIVERSITY, ENGLAND

Lyndsay Steinmetz

Major: Political Science

BOSTON UNIVERSITY-PARIS INTERNSHIP PROGRAM, FRANCE

Katie Austin

Major: International Studies

Alexandra Jaffe

Major: English

EBERHARD-KARLS-UNIVERSITAT TUBINGEN, GERMANY

Samantha Evans

Major: Physics

TEC DE MONTERREY CAMPUS QUERÉTARO, MEXICO

Joseph Duchene

Major: Spanish

Jasper Harris

Majors: Spanish/Black Studies



ALLEGHENY COLLEGE

The national liberal arts college where 2,100 students with unusual combinations of interests and talents develop highly valued abilities to explore critical issues from multiple perspectives.