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.
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 Scwartz 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
Major 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: Caryl 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
Major/Minor 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 Solid 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 Hector
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 QUERETARO, MEXICO
Joseph Duchene
Major: Spanish

Jasper Harris
Majors: Spanish/Black Studies
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.