GEMS
Graduate Experience for Multicultural Students

Health Careers Workshop

State-of-the-Art Research Facilities

Presenting at a national conference

University of Colorado Denver - Anschutz Medical Campus

GEMS is funded by NIH award#R25HL103286 and supported by the UCD Graduate School.
The GEMS Program:
The GEMS Program of the University of Colorado Denver-Anschutz Medical Campus (UCD-AMC) is a summer research program for undergraduate students from the continental US and the territories. Selected GEMS interns participate in an intense summer research experience consisting of lectures, workshops, and a mentored-laboratory research project. Participating laboratories are drawn from basic science as well as clinical science departments at UCD-AMC including (but no limited to) Pulmonary Medicine, Biochemistry, Cell and Developmental Biology, Cancer Biology, Human Medical Genetics, Immunology, Microbiology, Molecular Biology, Neuroscience, Pharmacology, Reproductive Science, and Physiology and Biophysics.

The program will include:
Lectures in biochemistry and molecular biology
Faculty research seminars in various disciplines
A laboratory research project
Academic skills workshops
Group social events

Eligibility:
GEMS participants are selected on the basis of academic achievement, interest in biomedical science research careers, and inclusion in an underrepresented group or category (first generation college attendee, low income, financial need, or ethnic identity as African American, Hispanic, American Indian, Alaska Native, or Southeast Asian, Pacific Islander). Successful applicants must have completed two years of college or demonstrated aptitude in one or more laboratory science courses. Freshmen without science coursework, students who have graduated and international students (with student visas) are not eligible for this program.

Accepted students must agree to attend the entire program period. Application requirements include:
Minimum GPA of 3.0 overall; 3.2 in sciences;
Two (2) letters of recommendation (at least one from a science faculty member);
A personal statement of interest in graduate education and future career goals; and
A current transcript (copy acceptable).

Stipend / Living Allowance:
As compensation for full-time commitment to the program, undergraduate GEMS interns receive a stipend/living allowance of $4000. Some room and board expenses may need to be paid by the students out of the stipend.

Housing:
Out-of-State GEMS participants will be housed in student dormitories on the downtown UC-Denver campus. Students may be responsible for a portion the housing costs which can be paid from the summer stipend. In order to keep housing costs as low as possible, dormitories will be shared with other GEMS students. GEMS staff will facilitate the living accommodations.

Transportation:
GEMS interns will receive round-trip transportation to and from Denver. Airfare will be prepaid by the GEMS Program. Airline baggage costs, up to $50 maximum, can be reimbursed by the program after the travel has taken place. Students who wish to drive to Denver may be reimbursed for mileage up to the cost of the airfare for the equivalent trip. Students may be responsible for the cost of their daily travel/parking to and from the Anschutz Medical Campus. A free intercampus shuttle is available to students living on the downtown campus.

UC Denver - Anschutz Medical Campus
The University of Colorado Anschutz Medical Campus in Aurora, Colorado is located 8 miles east of the downtown UCD campus. A free shuttle runs hourly between the two campuses. The move to the new medical campus was completed in 2007. The medical campus houses a new in-patient hospital research complex, state of the art Cancer Center, the Rocky Mountain Lions Eye Institute, and Out-Patient Pavilion, the new Children’s Hospital, the Barbara Davis Institute for Childhood Diabetes and a Bioscience Industrial Complex. The research complex includes over five hundred research laboratories. Available facilities include those for general biomedical research and a full range of specialized research facilities with state-of-the-art equipment including instruments for flow cytometry, X-ray crystallography, mass spectrometry / proteomics, NMR, ORD, CD, surface plasmon resonance (BiaCore), fMRI, DNA sequencing, gene array analysis, and electron and confocal microscopy.

A modern metropolis of approximately three million residents, Denver offers a wide variety of cultural and recreational facilities. The climate in Denver and its environment is exceptionally pleasant, with mild, sunny winter, and warm, dry summers. Numerous year-round recreational opportunities are afforded by the Rocky Mountains and other nearby attractions.

Application
The GEMS application is available in at: http://ucdenver.edu/academics/colleges/medicine/departments/GEMS/Pages/default.aspx
Application materials must be received by February 15.
For additional information, contact:
Adela Cota-Gomez, PhD,
GEMS Program Coordinator
University of Colorado Anschutz Medical Campus
Mail Stop C272
12700 East 19th Avenue
P.O. Box 6511
Aurora, CO 80045
E-mail: adela.cota-gomez@ucdenver.edu or GEMS@ucdenver.edu

Designed by Adela Cota-Gomez
All rights reserved, 2012