

HAMPTON UNIVERSITY

School of Science

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SCIENCE CAREER FAIR

The Hampton University Career Center will host the 1st annual science-oriented career fair in November 2006. More information will be available in the next edition of this newsletter. Companies like Merck, Abbott, NASA, Pfizer, Raytheon, IRS, Microsoft, and Sentara Hospital are all expected to be in attendance.

NOVEMBER 30, 2006 – Student Center

HIGH-SCHOOL DAY

Hampton University held its 28th Annual High-School Day celebration to welcome potential Hamptonians to tour and visit our "Home by the Sea!" School of Science faculty and administrators greeted parents and students in the Student Center Ballroom to share information on each department. Campus and school tours, plus an afternoon Block Party were also offered!

SPRING 2006 – "Home by the Sea!"

HU CALIPSO SATELLITE

The Center for Atmospheric Sciences has partnered with NASA and France to study aerosols and their effect on climate, air quality, and weather. Dr. Pat McCormick began research with Lidar technology since 1964; he and fellow researchers are planning a launch in late April from Vandenberg Air Force Base in California. Dr. Diane Robinson and Barbara Maggi are key players in the promotion of an outreach program geared to inform teachers and middle schoolers about CALIPSO.

5, 4, 3, 2, 1, 0 – "We Have Lift-off!"

RECRUITMENT AND RESOURCES CENTER

The School of Science Recruitment and Resources Center is geared to serve all students, no matter the discipline or classification! Tutors are available to help students in search of help on difficult topics in biology, chemistry, math, physics, communicative sciences, marine science, and computer science. Job announcements, internships and research opportunities are posted on a monthly basis. Student Ambassadors post many job announcements that come directly from the Career Center and faculty members are encouraged to submit any opportunities to science-recruiter@hamptonu.edu.

DUPONT HALL – ROOM 102 – Tutors Available for All Majors

SUMMER INTERNSHIPS

"What are your plans for the summer?" A question asked often by potential employers, faculty, and peers alike. "Why do I need summer experience?" Well, summer internships offer valuable training and mentoring skills that can be utilized on the job following graduation. In addition, these skills and contacts may be useful in the future to help create your network of professionals. Laboratory techniques, theoretical tests, field exercises, mock-simulators, and professional assistance are all essential tasks that aid in the development of scientists. Students should complete at least one internship during their academic careers to also help build a resume for future job placement.

VALUABLE EXPERIENCE – Build Your Resume for the Future

BIOINFORMATICS AND GENOMICS

The National Institutes of Health's Road Map Initiative and the National Research Council's report BIO 2010 on Transforming Undergraduate Education for Future Biologists serve as guidelines for the Age of Genomics. Dr. Edison Fowlks, Professor in the Department of Biological Sciences, has pioneered the development of Bioinformatics and Genomics (Biotechnology) at Hampton University. These new techniques incorporate many disciplines from mathematics, computer science, chemistry, physics, and engineering. Dr. Fowlks says that "DNA Microarray technology will help students observe the dynamics of genome expression under very specific conditions." Infusing Genomics into the classroom will impact and improve the curriculum to better prepare biology majors for future roles as research scientists, educators, and health professionals.

A PARADIGM SHIFT – A New Era in the Study of Life

Email all opportunities to science-recruiter@hamptonu.edu

By Michael D. Druitt, Chair
School of Science Recruitment Committee

SCIENCE TUTOR NETWORK

The Recruitment and Resources Center is currently developing a tutor network of science students who are eager to volunteer for several hours per week during the Fall 2006 and Spring 2007 semesters. The center will identify quality students with a minimum major GPA of 3.0 to participate. Faculty members will announce the start of the program to each class in September 2006. *NETWORK = NET WORTH – Learn By Helping Others*

