

**To: All Biology and Marine Biology Majors**  
**From: Joseph Menor, Jr., Biology Program Advisor**  
**Date: June 30, 2008**  
**Re: Announcements**

## **Hanauma Bay Seminar**

Thursday, July 3<sup>rd</sup>

6:30 p.m.

Hanauma Bay Visitor Center Theatre

By: Heather Leba, Graduate Student and Research Assistant with the University of Hawai'i's Zoology Department

Title: "Choosing a partner, how do reef fish decide?"

Heather Leba's research interests lie in fish reproductive biology, behavior and development. Specifically, these interests extend to ovarian structure and development, including hormonal and environmental control, female mate choice and parental care, and larval development.

Her Master's thesis focuses on three Hawaiian goatfish species, *Mulloidichthys vanicolensis*, *M. flavolineatus*, and *Parapeneus porphyreus* (Mullidae), relating age, growth, reproductive development and reproductive seasonality to the existing fishery for these species. For fisheries species, it is imperative to understand their biology and reproduction to ensure that the fishing practices are not deleteriously affecting potential recruitment and population numbers.

Other questions she is addressing are: Are the catch sizes and bag limits biologically significant and relevant or do they impede local recruitment and drive these populations down? What are appropriate management strategies that would take into consideration all of these parameters and can these be effectively implemented here in Hawaii, or is it too late for these species? For more information on Heather Leba visit <http://www.hawaii.edu/zoology/students/hleba.htm>

## **Internships**

### **Sea Life Park Internships**

The Sea Life Park Education Center is looking for interns. They are still accepting interns for the fall session for the education internship.

Spring session applicants who may have interest in our animal training, husbandry, and rehabilitation internships, may submit their forms right now. The forms are located in the attachment.

We also offer volunteer positions to students who may not be able to commit to 40 hours a week, but who would still like to gain valuable work experience.

Go to <http://www.sealifeparkhawaii.com> for more information and applications.

### **U.S. FBI Honors Internships**

Work with special agents and professional support personnel in cases and procedures. Assigned to a division based on academic discipline and ability.  
Please see the flyer in the attachment.

## **Scholarship**

### **2008 Pearson Benjamin Cummings Biology Prize Scholarship**

Benjamin Cummings will award four students \$1,000 scholarships toward their continued education in Biology.

In the attachment, is the application form. All information are found on the application form.

Due: Tuesday, November 4, 2008