RESEARCH EXPERIENCE FOR HIGH SCHOOL SCIENCE EDUCATORS:
Help strengthen your inquiry-based science teaching skills and learn to teach science by doing science!

WE WANT YOU: Highly motivated, water-loving teachers are needed to participate in a research-teaching partnership between the Hawaii Institute of Marine Biology and the University of Hawaii’s Ecology, Evolution and Conservation Biology NSF GK-12 program.

WHY: We are involving high school science teachers in research looking at the small scale genetic patterns of several coral species found on a patch reef in Kaneohe Bay, Hawaii. This research has important implications for understanding coral bleaching, coral disease and ultimately conserving Hawaii’s precious coral reef ecosystems.

THE BENEFITS: By participating in this research experience, you will gain confidence in your scientific research skills, increase your understanding of ecology and genetics, and gain an intimate understanding of Hawaii’s marine ecosystems. You will come away from the course with inquiry-based lessons that will help you meet Hawaii’s science standards.
THE DETAILS:

**Scientific Diving Training:** Teachers selected to participate in the program will complete UH’s Scientific Diver Program from January 17 to May 2, 2007. Teachers must commit to completing this course, which meets from 5:30-8:30 pm on Tuesdays and Thursdays (classroom sessions), and on Saturdays from 8:30 am to 3:30 pm (for diving!). Before this course begins, teachers will have to undergo a diving physical, and must have completed their SCUBA open water certification. The dive course, dive physical and dive gear check will be paid for by our project. All teachers will also receive a stipend of $300 to defray additional expenses. (See [http://www.hawaii.edu/ehso/diving/Spring06SCIDcourse.htm](http://www.hawaii.edu/ehso/diving/Spring06SCIDcourse.htm) for more information about the Scientific Diver Course).

**Summer Research Experience:** Teachers will then take part in an intensive three-week summer course at the Hawaii Institute of Marine Biology in Kaneohe Bay from June 18 to July 6, 2007. The course will last from 9am to 2 pm each day and will consist of field sampling and mapping of coral reefs, ecological monitoring, and lab-based genetic research. The course will combine participation in the necessary research with the development of activities related to the research for teachers to bring back to their science classrooms. These activities will be designed to help teachers meet the state of Hawaii’s science standards by focusing on inquiry-based teaching methods.

If you are a committed and dedicated high school teacher with an interest in participating marine research, learning genetics by doing genetics, and developing an inquiry-based curriculum in your classroom, apply for this program today! Applications are due by November 1, 2006.

For more information, or if you would like to get involved, please contact:
Kim Tice at [katice@hawaii.edu](mailto:katice@hawaii.edu) or 808-343-6329

To learn more about the GK-12 program, please see: [http://www.hawaii.edu/gk-12/evolution/](http://www.hawaii.edu/gk-12/evolution/)