

Research Experience for Undergraduates & Graduates (REU/G)

Over the past decade, there has been increasing recognition that the ocean and the ocean-land interface are the sources of organisms and chemicals that can profoundly affect human health. The University of Miami's **NSF-NIEHS Oceans and Human Health (OHH) Center** involves the interactions between oceanographic and biomedical scientists. The OHH Center also has an Annual **Research Experience for Undergraduates & Graduates (REU/G)** for 2 students (a preference is given to undergraduates and masters students.)

The **REU/G** students will participate in one of three active University of Miami OHH Center Research Projects: **1) Recreational Microbes (Contact [Dr. Helena Solo-Gabriele](#)); 2) Toxic Harmful Algal Blooms (HABs) (Contact [Dr. Larry Brand](#)); and 3) Harmful Algal Bloom Genomics (Contact [Dr. Gary Hitchcock](#).)** Each Research Project is led by the interdisciplinary collaboration of a biomedical sciences researcher and an oceanographic researcher, with participation by investigators representing engineering, remote sensing, physical and biological oceanography, genomics, microbiology, and epidemiology; the students will be mentored and directly evaluated by the specific Research Project Principal Investigators (www.rsmas.miami.edu/groups/ohh/). The students will also have the opportunity to interact with the three University of Miami OHH Center Facilities Cores: **1) Remote Sensing (Contact [Dr. Peter Minnett](#)); 2) Genomics (Contact [Dr. Jack Fell](#)); and 3) Algal Cultures (Contact [Dr. Kelly Rein](#)).**

In the **REU/G**, there will also be opportunities to participate extensively in field sampling and environmental modeling. All students will be involved in the writing process as reports and publications are prepared, as well as performing literature searches in specific research areas. Finally, students will have the opportunity to actively participate in the NSF NIEHS OHH Center activities such as informal laboratory meetings and more formal scientific conferences and outreach activities; they will also be encouraged to present their research in appropriate scientific venues within and outside of the University of Miami.

After making contact with an individual OHH Center Scientist with whom you wish to work, please complete the **REU/G** Application Form (www.rsmas.miami.edu/groups/ohh/). In addition to this form, applicants must submit the following:

- Official copies of all college transcripts
- ONE letter of recommendation (Letters from college faculty and/or research advisors preferred)

All items due to Julie Hollenbeck by May 1, 2009.

Please send to: Julie Hollenbeck, University of Miami Rosenstiel School of Marine and Atmospheric Science, NSF/NIEHS Oceans & Human Health Center, 4600 Rickenbacker Causeway, East Grosvenor Building, #E211, Key Biscayne, FL 33149 (Internal Locator: VK) Telephone: (305) 421-4609, email:jhollenbeck@rsmas.miami.edu, Fax: (305) 421-4833.

A decision will be made by Monday May 11, 2009 and the funding will begin this summer, beginning June 15, 2009. More information available at <http://www.rsmas.miami.edu/groups/ohh/reu/reu.htm>