

Sabrina Garcia
NSF REU Winner 2007

NSF-NIEHS Oceans & Human Health Center

University of Miami-Rosenstiel School of Marine & Atmospheric Science
4600 Rickenbacker Causeway, East Grosvenor Room E211
Miami, FL 33149

Education:

2005-present - University of Miami Coral Gables, FL
Marine Science/Biology Major, Chemistry Minor (current GPA 3.44)

- August 2006-present: Rho Rho Rho, Marine Science Honor Society Gold Member
- January 2006 - Galapagos Islands: Spent two weeks studying the relationship between the fishermen on the islands with their marine environment. Course was led by Professor Sarah Meltzoff.

2004-2005 - Duke University Durham, NC
Biology with Marine Science focus

Experience:

January 2007-South Florida Student Shark Program Intern- Rosenstiel School of Marine and Atmospheric Sciences, Key Biscayne, FL.

Accepted to be a part of the SFSSP team. Responsibilities include seining inshore to 300ft offshore, fish identification and measuring, fish and shark stomach analysis and researching predator-prey interactions in mangrove and seagrass communities.

September 2005-May 2006 – Work-Study Student – Rosenstiel School of Marine and Atmospheric Sciences, Key Biscayne, FL.

Participated as a work-study student with Dr. Robert Ginsburg and completed Dr. Ginsburg's Sherwood Forest Project. Observed coral reef footage and counted the number of individuals of a certain species at each two minute interval, created GIS mappings of all the dives with the density of each species found per 100 meters, made thin sections of different rock types and mapped stromatolites to determine the presence of cyanobacteria laminations.

May 2005-August 2005, May 2006-August 2006- Camp Counselor - Miami Seaquarium, Key Biscayne, FL

Taught a group of children about different aspects of marine biology such as taxonomic relationships, different feeding strategies, and ocean zones. Other responsibilities included feeding several marine species such as sharks, manatees, and sea lions.

September 2004-May 2005 - Duke University Paleontology Lab, Durham, NC

Worked with a graduate Geology student, Valerie Peterson and retrieved 12 inch cores from specified locations in the Pamlico Sound. These cores would then be sectioned into one-inch segments and foraminifera would be filtered out along with other organic material. Selected certain foraminifera species from each segment core which would then be ground up and taken to the lab for composition analysis.

December 2004 – Volunteer - Marine Animal Rescue Society

Received training in all the aspects of rescuing marine mammals in the event of a stranding. including skills designed to save them by transporting to a rehabilitation center or performing a necropsy to discover cause of death. In an event of a live animal, I was also trained to assist in the rehabilitation process.

December 2003-May 2004 – Volunteer - Humane Society of Greater Miami, Miami, FL.

Volunteered on a weekly basis to train the animals to make them more appealing for adoption by teaching them basic behaviors. Other responsibilities included socializing with the animals, cleaning and maintaining cages, bathing and walking the dogs Also fostered two abandoned puppies that needed special and constant care for six weeks until they were old enough to be adopted.

September 2003-May 2004 – Student - MAST Academy, Key Biscayne, FL.

Member of the Ocean Science club at MAST. Competed with school team at the National Oceanographic Science Bowl at Harbor Branch Oceanographic Institute. In competition against other high school teams from Florida, MAST placed second in the competition.

June 2003-August 2003, January 2005-May 2006 – Intern - Southeast Fisheries Science Center, Key Biscayne, FL.

Interned with Dr. Ruth Ewing, a marine mammal veterinarian, and assisted with necropsies of stranded marine mammals. Entered data into a database to track marine mammal strandings that occurred on the East coast to find similarities among strandings. Also assisted with Atlantic bottlenose dolphin population studies in the neighboring bay by photographing the dorsal fins of dolphins found in the bay to differentiate resident and visiting dolphins found there.

Skills:

- Microsoft Office (Excel, Word, and PowerPoint)
- ArcView GIS
- Fluent in Spanish and Italian
- SCUBA certified