

The PADI Internship

About the PADI Internship:

1. Based in Cabrillo's Aquatic Nursery where interns get to work beside experienced researchers and staff.
2. Provides opportunities for high school students to experience the scientific process first-hand.
3. Provides a college student with the opportunity to mentor the young aspiring scientists.
4. Expands and enhances the CMA research intern opportunities.
5. Trains research interns in data collection, data analyses, and data presentation techniques.
6. Shares research information with surrounding coastal and scientific community.

Other Fun Facts:

1. The PADI Foundation Summer Research Internship has been alive and thriving at the Cabrillo Marine Aquarium since the summer of 1993.
2. We take a field trip to Catalina Island and do a snorkel in the LA Harbor.
3. The students participate in workshops in scientific method, research, proposal, data collection/observation, final paper, and presentation.
4. The Internship is approximately 9 weeks: June 12-August 17; but it is extended as the interns prepare for the 2014 Young Scientists Symposium and Science Fair.
5. Payment Method: \$100-project proposal, \$140-completion of data collection, \$200-acceptance of final report/presentation of project.



PADI



What Are Our Resources?

1. First and foremost, FRIENDS of the Cabrillo Marine Aquarium help us every year with grants that make this paid internship possible. The grants also help CMA to purchase any tools that may be needed for the interns' projects.
2. The Aquarium is open for the interns to spark ideas for research projects.
3. The Aquatic Nursery is filled with resources such as: tools, microscopes, LIFE Support (water for projects), and most importantly staff/scientists.
4. The Marine Research Library which is right above the Aquatic Nursery and is a great place for the interns to do their research.
5. The coastal area around the aquarium is a great place for interns to find an interest in an organism or to do research.
6. PADI Mentor: This year Madaly Alcalá is the Mentor for the PADI interns. She is a sophomore at UC Berkeley for the fall of 2013. Madaly was a PADI intern herself in the summer of 2011, where she studied the biodiversity zooplankton. This summer she will be a resource to guide the interns through their projects. She will be a source of motivation, inspiration, determination, and persistence for the interns.
7. Research Curator: Ph.D. in Neuroscience, Kiersten Darrow is the wonderful woman in charge of the program. She helps the mentor as well as the interns.

Contact Information:

Cabrillo Marine Aquarium:

Address: 3720 Stephen M White Dr,

San Pedro, CA 90731

Phone: (310) 548-7562

PADI Mentor: Madaly Alcalá (310) 612-1437

Come visit the Aquarium! It is a great place for you and your family to explore the wonders of our Cabrillo Coast!

Aquarium Hours:

Tuesday through Friday - 12 noon to 5 pm

Saturday and Sunday - 10 am to 5 pm

Closed Mondays

The PADI's



Cheyenne Newallis:

An upcoming sophomore at San Pedro High School. She is studying the hunting behavior of swell sharks in different colored lights.



Annie Satalich: An upcoming junior at San Pedro High School. She is studying if the increase of water temperature surrounding wild and captive sea-urchins, such as in global warming, will cause Bald Sea-Urchin Disease. Also she will observe if this stress due to temperature change will cause an increase in the number of red spherula cells.

Jacob Partida: An upcoming senior at San Pedro High School. He is studying the effects of interactive enrichment on stress and wellness of captive Octopus bimaculoides by introducing toys to the octopus' environment.



Above is a picture of the CMA's Aquatic Nursery. This exhibit is a working laboratory where visitors have access to active scientific research, and to the scientists-in-training who are conducting projects under the guidance of CMA's professional staff, including the PADI's.



Jerry Gamino: An upcoming senior at San Pedro High School. He is studying algal blooms and how UV/Infrared lights affect the growth rate of *Heterocapsa* algae.



Lizeth Carrillo: An upcoming freshman at UCLA. She is studying the effect temperature and salinity have on grunion egg development and growth.

✦ Please join us Saturday August 17th, 2013 in the John M. Olguin Auditorium for our PADI's project presentations! An invitation will be sent out via email or phone call. If you are interested in attending to support our young aspiring scientist please contact Madaly Alcalá at mada94@berkeley.edu or at (310) 612-1437.