

Opportunities Week of 9/23/16

Paid Part-Time Research Position in Dr. Chang's Lab (Cold Spring Harbor Laboratory): Dr. Kenneth Chang is looking for an undergraduate student to work in his lab at Cold Spring Harbor Laboratory. The project is to study genetic determinants of triple-negative and HER2-positive breast cancers, as well as metastatic prostate cancer, using preclinical models (cell lines, organoid cultures, and mouse models). We will use the latest RNAi and CRISPR technologies developed in my lab to uncover/dissect mechanisms of drug resistance and genetic dependencies.

Work Duration: 1 year/Paid (hourly) part-time (12-16 hours per week)

Previous Course Work: Biochemistry, Cancer Biology and Genetics

Previous Experience: Cell culture, molecular cloning

Start Date: Immediately

If you feel you are a good candidate for this position, please contact Dr. Kenneth Chang: changk@cshl.edu or (516) 367-5418

MAR 388: Tropical Marine Ecology Study Abroad in Jamaica: January 8-21, 2017. This travel course literally immerses students with the organisms (invertebrates, fishes and algae) and habitats (coral reefs, seagrass meadows and mangrove forests) within tropical marine coral reef ecosystems. The course consists of formal lectures, demonstrations and instructor led field trips and involves snorkeling, SCUBA diving, reef walking and underwater photography. Students will develop individual research projects requiring field observations and data collection and will write a research proposal and final research paper. No background knowledge is necessary to be successful in this course, all knowledge you need will be imparted during the course!

MAR 388 will count as an Area IV lecture/lab course for Biology majors.

For more info, please see attached flyers on [Info Sessions](#), and [Course Description](#)

Mentoring in Medicine Teaching Fellow Opportunities: Do you want to teach and mentor middle and high school students interested in a health or science career? A no-cost training program is set for **Saturday, September 24th from 9am to 5pm**. You can join us in-person, at Lehman College in the Bronx, or view the "live" web broadcast online from the comfort of your home.

You don't have to live in New York City. We are aggressively seeking to train teaching fellows in markets across the country. Mentoring In Medicine, Inc. (MIM) is a national nonprofit that delivers educational enrichment programs for students from elementary school to health professional school. The mission of the MIM Science Pathfinders Program is to inspire and cultivate middle and high school students to become health and science professionals. Learn more about us at www.MedicalMentor.org

For more info and to register for the training seminar, see <https://mimteachingfellows-seminar.eventbrite.com/>

Harvard T.H. Chan School of Public Health: trains students in individual fields of biological research with a focus on understanding, preventing and treating diseases affecting large populations. Major areas of investigation include: the metabolic basis of health and disease, immunology and infectious diseases, gene-environment interactions, and inflammation and stress responses. All students admitted into this highly competitive training program are provided full tuition, health insurance and stipend support

Application deadline for the 2017-2018 Academic Year is December 1st, 2016.

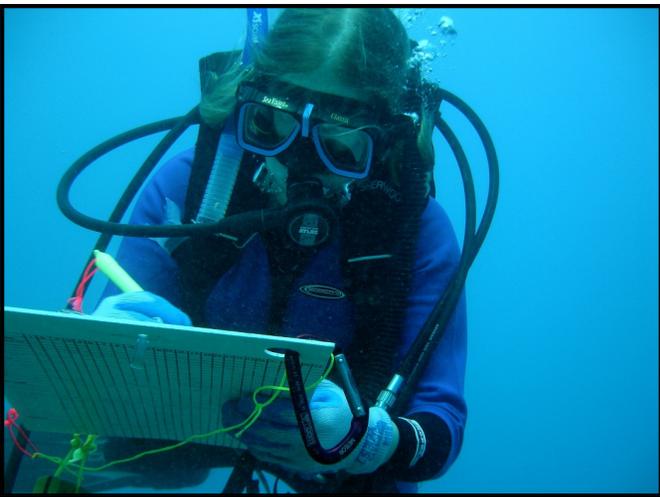
For more info see <https://www.hsph.harvard.edu/biological-sciences/>

Mayo Graduate School: offers PhD and MD/PhD training to future leaders in biomedical research and education. Training is especially distinctive for the world-class research laboratories at Mayo Clinic campuses in Minnesota, Florida, and Arizona, and Mayo Clinic's unique funding model where all PhD students are awarded 5-year internal fellowships to select the mentor of their choice with no teaching responsibilities. Mayo Graduate School particularly welcomes applications from international and underrepresented students.

The Mayo Graduate School application deadline is Dec. 1, 2016.

Mayo Graduate School Summer Undergraduate Fellowship (SURF) Program: Offers a world-class opportunity for undergraduates to conduct a summer research project for 10 weeks while developing technical skills,

networking, and enjoying special weekly seminars about current research.
The SURF application deadline is Feb. 1, 2017.



How much will this course cost?

Estimated cost per student, in-state:

\$ 1080 Tuition (4 credits)

\$ 7.50 College Fee

\$ 200 IAP Admin Fee

\$ 2,850 Program fee*

\$ 300.00 - \$500 Airfare

Total: \$ 4,437- \$4,637

*This is the cost of lodging, all transportation (other than flight), admission into excursions, food, lab use, books and supplies for the class. It does not cover dive or boat costs.

These costs cover everything needed for this exciting once in a lifetime opportunity!



So I'm interested, What do I do next?

1. Go to the class website (www.somas.stonybrook.edu/~warren/web_mar388/mar388.html) and the class blog (tropical.blogs.com) and learn more of the details.
2. Contact International Academic Programs at Stony Brook University (Alison Becker 631-632-7030) to start the IAP application.
3. Contact me and let me know you're interested.

Brad Peterson

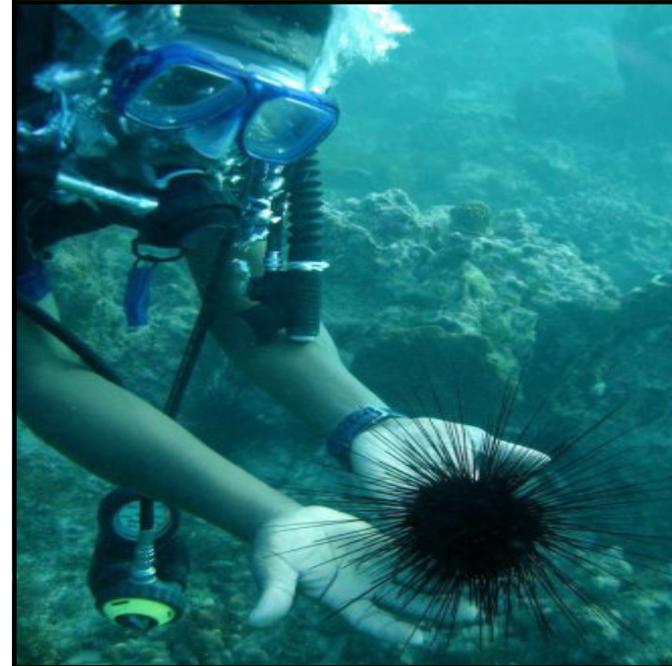
bradley.peterson@stonybrook.edu

631-632-5044

**Tropical Marine Ecology
Jamaica 2017**



January 8 - 21



**School of Marine and
Atmospheric Sciences
Stony Brook University**





What is the class all about?

This travel course literally immerses students with the organisms (invertebrates, fishes and algae) and habitats (coral reefs, seagrass meadows and mangrove forests) within tropical marine coral reef ecosystems. The course consists of formal lectures, demonstrations and instructor led field trips and involves snorkeling, SCUBA diving, reef walking and underwater photography. Students will develop individual research projects requiring field observations and data collection and will write a research proposal and final research paper.



Who is this class for?

Anyone interested in exploring these tropical habitats. We have had English, Psychology, Linguistic, Pre-Med, Biology, Environmental Science and Marine Science students participate in this course over the years. You also don't need to be a student of Stony Brook University. We have had many students from other universities join us.

What background do I need to take this?

None. We will impart to you all of the knowledge you need to be successful in this course. If you aren't a biology student, you can still enjoy this.

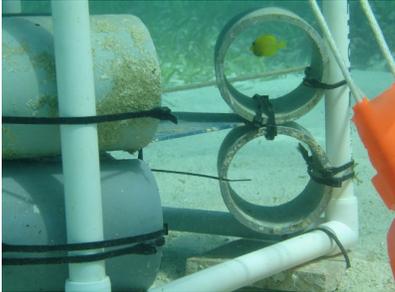
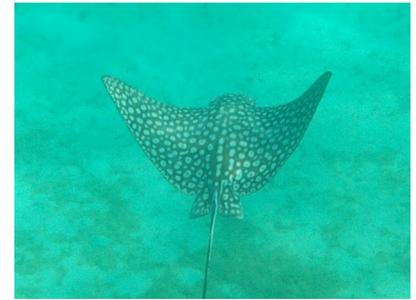


Where will we stay?

We will stay at the Discovery Bay Marine Lab on the north shore of Jamaica. DBML is a suite of laboratories, class rooms, offices, wet laboratories, two dormitories, a cafeteria, a fully equipped SCUBA dive center and a marina with research vessels of various sizes. DBML hosts groups of scientists and students from universities worldwide, engaged either in research or in higher education. We will sleep, eat, study, swim, and play here for our entire stay. We will also make excursions to climb a waterfall, shop in a straw market, see a botanical garden or crawl a cave.



MAR 388 (undergrad)
MAR 537 (graduate)
8 – 21 January 2017
Tropical Marine Ecology
(4 credits)



School of Marine and Atmospheric Sciences, Stony Brook University
Course Instructors: Dr. Bradley Peterson and Dr. Joseph Warren.
For information, visit: <http://you.stonybrook.edu/tropical>



Info Meetings: **Tuesday, Oct 11, 430pm - 530pm, Marine Station 215 (Southampton)**
Wednesday, Oct 12th, 1pm - 2pm, Melville Library Room W4530 (Stony Brook)

If you can not attend the informational meeting, please email bradley.peterson@stonybrook.edu

Course Description: The Discovery Bay Reef area of Jamaica is an ideal site for studying marine science and conservation policy. The most-studied reef in the world is your classroom to examine a coral reef ecosystem and how human activities may influence it. This course surveys organisms (invertebrates, fishes, and algae) and habitats (coral reefs, sea grass meadows and mangrove forests) within a tropical marine coral reef ecosystem. The course consists of formal lectures, demonstrations, instructor-led field trips, and involves snorkeling and underwater photography. Students will develop individual research projects requiring field observations, data analysis, and write a research proposal and research report. Opportunities exist for SCUBA certification before or during the course and students may dive as part of their research project.



All photos shown
were taken
during this course.

