



**Applications Being Accepted for Summer 2017
Brown LINK Award Internships at the
Marine Biological Laboratory in Woods Hole, MA**



Two research internships at the Marine Biological Laboratory (MBL) in Woods Hole, MA will be offered in the summer 2017 through the Brown LINK Award Program. Internship funding is provided by the generous support from Charles and Phyllis Rosenthal.

Listed below are potential lab and mentor opportunities at MBL. Please contact the lab that relates to your interests and experience for more information. MBL will cover the cost of on-campus housing but each intern will be responsible for covering the cost of the *required* MBL meal plan (<http://www.mbl.edu/swope/meal-plans/>) and any additional expenses. For general information on the internships contact Alison Maksym at amaksym@mbl.edu.

Applications are due **Friday, March 10, 2017 by 12 noon on UFUNDS**. Each applicant must contact MBL prior to applying for this opportunity and get a signed Supervisor Statement Form.

For information on the Brown LINK award application process go to: <http://www.brown.edu/campus-life/support/careerlab/link> or contact Sarah Brown at Brown's CareerLAB at sarah_brown1@brown.edu

1. Internship at Arkhipova Lab, MBL's Josephine Bay Paul Center

The Arkhipova lab at MBL's Josephine Bay Paul Center for Comparative Molecular Biology and Evolution is studying the role of mobile genetic elements and horizontally transferred genes in eukaryotic genome structure, function, and evolution. Summer research projects are available in the fields of molecular biology/biochemistry or comparative genomics/evolution, and may involve wet-lab experiments at the bench, computational data analysis, or a combination thereof. If interested contact Dr. Irina Arkhipova. Phone: [\(508\) 289-7120](tel:5082897120); Email: iarkhipova@mbl.edu.

For more information on the lab go to: www.mbl.edu/jbpc/arkhipova/

2. Internship at Tang Lab, MBL Ecosystems Center

The Tang Lab at The MBL Ecosystems Center has opportunities to work on greenhouse gas emissions from salt marsh and the effect from restoration of salt marsh on Cape Cod. The research goal is to assess the carbon credit gained from coastal wetland restoration. The students will have access to the state-of-the-art instrumentation and lab facility and interact with leading scientists in the field. Majority of the duties include field work in the salt marshes on Cape Cod and laboratory work at MBL in Woods Hole, MA, although opportunities to travel and conduct occasional work at Harvard Forest and the Plum Island Estuary Long Term Ecological Research station are likely as well. These projects would provide excellent training opportunities and experience for future graduate work in the frontier of ecological sciences. If interested contact: Jim Tang, Ph.D., Associate Scientist, Phone: [508-289-7162](tel:5082897162); Email: jtang@mbl.edu

For more information go to: <http://www.mbl.edu/ecosystems/tang/>

3. Internship at Ivan Valiela Lab, MBL Ecosystems Center

The Valiela lab at MBL's Ecosystems Center is conducting basic and applied research in salt marshes and estuaries. We cover topics such as couplings of watersheds to estuaries, responses of marshes to eutrophication and sea level rise, or nutrient-microbe-algae-animal interactions, among others. Mentored summer research projects are available. Duties include field and lab work, data analyses, and preparation of results for presentation/posters.

Training and mentoring will be provided by Distinguished Scientist Dr. Ivan Valiela and Postdoctoral Scientist Dr. Javier Lloret. If interested, please contact Dr. Javier Lloret at jlloret@mbl.edu for more information.

4. Internship at Maureen Conte Lab, MBL Ecosystems Center

Dr. Maureen Conte is an isotopic biogeochemist and oceanographer (<http://www.mbl.edu/ecosystems/contc/>). She leads the Oceanic Flux Program time-series of particle flux in the deep Sargasso Sea. A main focus of research in the Conte lab is application of isotopic and organic geochemical tracers to elucidate processes affecting ocean biogeochemistry and marine ecology. There are two potential areas for research projects; either can be adapted to the student's interests:

(1) The contribution of floating Sargassum production to organic and inorganic carbon export fluxes in the northern Sargasso Sea.

This project will teach methods for microscopic image analysis, C/N isotopic analysis and carbonate analyses. An intern working on this project will have the opportunity to participate on a one week oceanographic research cruise off Bermuda where we will recover and redeploy the OFP deep ocean sediment trap mooring and conduct other oceanographic sampling (This opportunity would be independently funded by the student and is also subject to Brown University approval.)

(2) Assessment of sea turtle nutritional history in Cape Cod waters using stable isotopic and lipid biochemical markers.

This project is in collaboration with Massachusetts Audubon scientists and involves analyses of necropsy tissues collected from winter turtle strandings on Cape Cod beaches.

Depending upon the student's expertise and interests, other projects are also possible. Please contact Dr. Maureen Conte (mconte@mbl.edu , 508-289-7744) to discuss ideas.