



Li Ling Hamady



Woods Hole Oceanographic Institution, 266 Woods Hole Road, MS#50, Woods Hole, MA 02543
office: 1(508) 289-3868, email: liling@whoi.edu

EDUCATION

Ph.D. candidate, Biological Oceanography, expected Feb 2014, MIT/WHOI Joint Program in Oceanography/Applied Ocean Science and Engineering
Advisor: Dr. Simon Thorrold. Current GPA: 4.6/5.0

B.A. College of Creative Studies (CCS) Biology, Honors, 2006, University of California Santa Barbara (UCSB). Extensive study of ecological systems, marine focused. GPA: 3.72/4.0
Study Abroad Semester: James Cook University (JCU), Townsville, Australia, 2004

PROFESSIONAL EXPERIENCE

2013 ITCE (Inter-University Training for Continental-Scale Ecology) Researcher-in Residence with Prof. Brian Popp, University of Hawaii, Manoa

2006-08 Laboratory Technician & Manager of Prof. David Lea's paleoclimatology lab, UCSB

2005-06 Undergraduate Research Assistant with Profs. Steve Gaines & Bob Warner, UCSB

2004 Undergraduate Research Assistant on 2 projects with JCU grad students, Australia

2003-04 Undergraduate Research Assistant with PISCO, UCSB

PEER REVIEWED PUBLICATIONS

Hamady LL, LJ Natanson, GB Skomal, SR Thorrold. (2013). Vertebral Bomb Radiocarbon Suggests Extreme Longevity in White Sharks. *PLOS ONE*. In press.

Natanson LJ, BJ Gervelis, MV Winton, LL Hamady, SJB Gulak, JK Carlson. (2013). Validated age and growth estimates for *Carcharhinus obscurus* in the northwestern Atlantic Ocean, with pre- and post management growth comparisons. *Environmental Biology of Fishes*. In press.

McMahon KW, LL Hamady, SR Thorrold. (2013). A review of ecogeochemistry approaches to estimating movements of marine animals. *Limnology and Oceanography*. 58(2): 697-714. DOI: 10.4319/lo.2013.58.2.0697

McMahon KW, LL Hamady, SR Thorrold. (2013). Ocean ecogeochemistry – A Review. Invited review for *Oceanography and Marine Biology an Annual Review*. 51: 327-374.

RECENT PRESENTATIONS

Hamady LL. Whale earwax and bomb radiocarbon. Oral Presentation. Challenger Expeditions Biology Forum at WHOI. June 2013.

Hamady LL. Testing white shark, basking shark, and dusky shark age estimation using bomb radiocarbon validation. Oral Presentation. WHOI Biology Department Seminar. November 2012

Hamady LL, LJ Natanson, GB Skomal, SR Thorrold. Ecogeochemistry techniques for shark age, movement, and trophic dynamics. Poster Presentation. 8th International Conference on Applications of Stable Isotope Techniques to Ecological Studies. Brest, France. Aug. 2012.

Hamady LL, LJ Natanson, GB Skomal, SR Thorrold. 2012. Testing white shark and basking shark age estimation techniques using bomb radiocarbon validation. Oral Presentation. American Elasmobranch Society Annual Meeting. Vancouver, Canada. Aug. 2012.

Hamady LL, LJ Natanson, L Houghton, GB Skomal, SR Thorrold. Resolving Basking Shark Migratory Connectivity in the Western Atlantic: Incorporating Satellite Archival Tagging and Ecogeochemistry Techniques. Oral Presentation. Ocean Sciences Meeting. Portland, OR. February 2010.

AWARDS & FELLOWSHIPS

- 2014 NOAA Sea Grant Knauss Science Policy Fellowship: NSF Office of Polar Programs
- 2013 Ocean Ventures Fund, WHOI
- 2012 ITCE Research-in-Residence Fellowship
- 2011 Coastal Ocean Institute Student Research Proposal Award, WHOI
- 2010-13 National Science Foundation Graduate Research Fellowship
- 2008 SEASPACE Fellowship
- 2005 CCS Summer Undergraduate Research Fellowship
- 2005 Worster Research Grant, UCSB

WORKSHOPS & TRAINING COURSES

- 2012 MIT Teaching and Learning Laboratory Teaching Certificate Course
- 2012 Centers for Ocean Sciences Education Excellence Professional Development Workshop for Early Career Scientists
- 2012 MIT Science Policy Initiative's Science Policy Bootcamp Course
- 2011 American Academy of Underwater Sciences Scientific SCUBA Diving Certification
- 2010 University of Utah Stable Isotopes in Ecology Summer Course
- 2010 WHOI Science Writing For the General Public Course. Resulting in an article in the Oceanus Magazine: "Clues in Shark Vertebrae Reveal Where They've Been."
www.whoi.edu/oceanus/viewArticle.do?id=125909

TEACHING, OUTREACH, & LEADERSHIP EXPERIENCE

- 2013 **Invited Speaker** at WHOI
Described research and career trajectory to high school Ocean Science Bowl winners. Spoke about research projects at WHOI's Science for the Public seminar series, for the Ocean Science Journalism Fellows, and at WHOI's volunteer luncheon.
- 2013 **Challenger Expeditions Biology Forum Organizer** at WHOI
Co-developed a monthly scientific lecture series for students and Postdoctoral scholars
- 2012-13 **Talk Organizer** at WHOI
Co-developed a monthly informal discussion session for biology graduate students and professors, to build community and foster collaboration and awareness
- 2012 **Supervisor of undergraduate summer intern** at WHOI
Mentored student (Genevieve Richards, Southern Methodist University)
- 2012 **Teaching Assistant** for graduate level Biological Oceanography course at WHOI
Conducted recitation sections, wrote and graded tests, graded extensive problem sets and daily assignments, advised professors on student performance, lectured
- 2012 **Guest Lecturer** at Bridgewater State University, MA
Designed and presented lecture on thermohaline circulation, emphasizing active learning for an undergraduate Introduction to Oceanography course
- 2012 **Lesson leader** at Mullen Hall Elementary School, Falmouth, MA
Designed and presented interactive lessons on fish to 4th graders
- 2010-11 **Student Representative** in the WHOI Student Group at MIT/WHOI
Biology Dept. Student Rep. Organized mentor pairs. Organized and fundraised for the Summer Picnic for MIT and WHOI graduate students on the WHOI campus
- 2009 **Science Club for Girls Volunteer** at Fletcher Maynard Elementary, Cambridge MA
Lead 1st grade girls from underrepresented groups in science in weekly after school experiential science learning
- 2004-05 **Los Marineros Naturalist** with the Museum of Natural History, Santa Barbara, CA
Educated 5th graders on tidepool and Snowy Plover ecology and conservation on fieldtrips to the habitats

Manuscript Reviewer for: Marine Ecology Progress Series, Fishery Bulletin

ORCID ID: <http://orcid.org/0000-0003-3380-6150>

References available upon request. Current as of November 2013