

# Renee E. Dolecal

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## **Research Interests**

I have many broad interests in ecology as it applies to marine ecosystems. Specifically, I am interested in the chemical signals that mediate consumer-prey interactions and their affect on multiple trophic levels. My current research investigates chemical cues produced by seaweeds being consumed by herbivores, and how this may influence predator foraging strategies.

## **Education**

2009-2012 M.S.; Ecology; San Diego State University; San Diego, CA; 3.9  
2003-2008 B.S.; Biology with Marine Biology concentration; Northeastern University; Boston, MA; 3.56  
2006-2007 Three Seas (East/West) Marine Biology Program; Northeastern University; Boston, MA

## **Honors and Awards**

2008 Magna Cum Laude, Northeastern University  
2008 Experiential Learning Grant: \$1000; Northeastern University  
2007 Provost Undergraduate Research Grant: \$1000; Northeastern University  
2007 Travel Award: \$100; Western Society of Naturalists  
2003-2008 Honors Program, Northeastern University  
2003-2008 Dean's List, Northeastern University  
2003-2008 Northeastern Excellence Scholarship, Northeastern University  
2003-2008 Amelia Peabody Scholarship, Northeastern University

## **Association Memberships**

Western Society of Naturalists (WSN)  
National Society of Collegiate Scholars (NSCS)

## **Professional Experience**

2010-present San Diego State University: San Diego, CA  
Graduate Assistant  
Advised by: Constance Gramlich  
*Assisting in marine collections*

- 2009-2010 San Diego State University: San Diego, CA  
Teaching Assistant  
Advised by: Joe Newsome  
*Course taught: General Biology Laboratory, BIOL 100L*
- 2007-2009 Marine Science Center, Northeastern University: Nahant, MA  
Research Assistant/Laboratory Technician  
Advised by: Dr. Jeremy Long, Dr. Geoffrey Trussell  
*Collaborated in the study of geographic variation of algal palatability and assisted in marine ecology research.*
- 2007 California State University Northridge: Santa Catalina Island, CA  
Volunteer Scientific Diver  
Advised by: Dawn Bailey (M.S. Student, Dr. Mark Steele)  
*Assisted graduate student with benthic fish surveys and data analysis.*
- 2006-2007 Three Seas Program, Northeastern University: Nahant, MA; Moorea, FP; Santa Catalina Island, CA  
Undergraduate Laboratory Assistant  
Advised by: Dr. Sal Genovese  
*Assisted in outreach, maintained equipment and dive records.*
- 2006 Pacific Whale Foundation: Hervey Bay, QL, Australia  
Volunteer Intern  
Advised by: Greg Kaufman  
*Participated in the monitoring of humpback whale populations by tracking and fluke identification.*
- 2006 Marine Science Center, Northeastern University: Nahant, MA  
Outreach and Laboratory Assistant  
Advised by: Emily Blume, Tracy Hajduk, Ted Maney  
*Instructed classes and conducted field trips within the outreach program, performed daily aquarium maintenance, and aided in post-doctoral and graduate research.*

### **Professional Presentations**

- 2008 Dolecal, RE, J Long. Variation of algal palatability in space and time (talk) - Benthic Ecology Meeting (Providence, RI)
- 2008 Dolecal, RE, J Long. Geographic variation in algal palatability (poster) – Northeastern University Research Expo (Boston, MA)
- 2007 Dolecal, RE, J Long. Geographic variation in algal palatability (poster) - Western Society of Naturalists Annual Meeting (Ventura, CA)

### **Publications and Papers**

Dolecal, RE, JD Long. Spatiotemporal variation in the relative palatability of ephemeral macroalgae in the Gulf of Maine. In prep.