

**Rebecca L. Selden**  
Ecology, Evolution, and Marine Biology  
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## EDUCATION

- 2015            PhD in Ecology, Evolution and Marine Biology, University of California, Santa Barbara (expected August 2015)  
Dissertation Title: The consequences of fishing-induced changes in predator size for predator-prey interactions. Advisors: Steven D. Gaines, Robert R. Warner
- 2006            A.B. *summa cum laude* in Biology, Bowdoin College, Brunswick, ME.

## PROFESSIONAL EXPERIENCE

- 2015 -            **NSF OCE Post-doctoral Fellow**, Rutgers University, Department of Ecology, Evolution and Natural Resources, & Institute of Marine and Coastal Sciences. Advisor: Malin Pinsky (beginning September 2015)
- 2014            **Instructor of Record:** Introduction to Ecology, Ecology Evolution & Marine Biology UCSB
- 2012-2013       **Guest Lecturer:** Biology of Fishes, Environmental Process in Oceans and Lakes, Ecology, Evolution and Marine Biology, UCSB
- 2010-2011       **CA Sea Grant Trainee:** Effects of Marine Reserves on Behaviorally-mediated Changes in Spawning Success of California Sheephead (R/ENV-214EPD)
- 2006-2007       **Principal Investigator**, Thomas J. Watson Fellowship “Sea Turtle Conservation: Impacting Human and Turtle Populations”  
Cayman Islands, South Africa, Australia, Malaysia, Panama

## GRANTS IN SUPPORT OF RESEARCH

- 2013            UCSB Associated Students Coastal Fund (\$7360)
- 2012            Worster Family Award for joint research with UCSB undergraduate (\$2850)
- 2012            UCSB Graduate Division Grant (\$3000)
- 2012            Lerner Gray Fund for Marine Research (\$1000)
- 2009-2012       Luce Environmental Science to Solutions Fellowship (\$6000)
- 2006-2007       Thomas J. Watson Fellowship (\$25,000 for stipend and research)

## FELLOWSHIPS AND AWARDS

- 2010            Awarded National Science Foundation Graduate Research Fellowship
- 2010            Awarded National Defense Science and Engineering Graduate Fellowship
- 2008            EEMB Graduate Fellowship Award, UC Santa Barbara

## PUBLICATIONS

**Selden, RL**, Valencia, SR, Larsen, AE, Cornejo-Donoso, J, Wasserman A. (2015) Evaluating seafood eco-labeling as a mechanism for ecosystem-based fisheries management. *In revision*.

**Boada, J**, Sanmartí, N, **Selden, RL**, Lucas, A, Pérez, M, Alcoverro, T, Romero, J (2015) Evaluating potential artifacts of tethering techniques to estimate predation on sea urchins.

Journal of Experimental Marine Biology and Ecology 471:17-22.

Eurich, JG<sup>1</sup>, **Selden, RL**<sup>2</sup>, Warner, RR. (2014) California spiny lobster preference for urchins from kelp forests: implications for urchin barren persistence. *MEPS* 498: 217-225.

<sup>1</sup> Student supervised for Honors Thesis, <sup>2</sup> Corresponding author

Nicolás L. Gutiérrez, Sarah R. Valencia, Trevor A. Branch, David J. Agnew, Julia K. Baum, Patricia L. Bianchi, Jorge Cornejo-Donoso, Christopher Costello, Omar Defeo, Timothy E. Essington, Ray Hilborn, Daniel D. Hoggarth, Ashley E. Larsen, Chris Ninnes, Keith Sainsbury, **Rebecca L. Selden**, Seeta Sistla, Anthony D.M. Smith, Amanda Stern-Pirlot, Sarah J. Teck, James T. Thorson, Nicholas E. Williams. (2012) Eco-label conveys reliable information on fisheries health to seafood consumers. *PLoS ONE*: 7(8): e43765.

Madin, E., S. Gaines, J. Madin, A. Link, P. Lubchenco, **R. Selden**, R. Warner. (2012). Do behavioral foraging responses of prey to predation risk function similarly in restored and pristine foodwebs? *PLoS ONE*: 7(3): e32390.

**Selden, R.**, A. Johnson, O. Ellers. (2009). Waterborne cues from crabs induce thicker skeletons, smaller gonads and size-specific growth in sea urchins. *Marine Biology* 156: 1057-1071.

#### **SELECTED PRESENTATIONS**

- 2014 Selden, R.L., Gaines, S. and Warner, R. *The consequences of fishing-induced changes in predator size for top-down control of prey populations*. International Council for the Exploration of the Sea (ICES) Annual Science Conference September 15-19, 2014, La Coruña, Spain.
- 2014 Selden, R.L., Gaines, S. and Warner, R. *Predator-prey interactions altered by fishing-induced decreases in predator body size*. Ecological Society of America, August 10-15, 2014, Sacramento, CA.
- 2011 Selden, R.L. *Effects of fishing-induced changes in size on sheephead predator-prey interactions*. California Sheephead Research and Management Meeting. Co-organized by the California Department of Fish and Game, and California Sea Grant. University of California, Santa Barbara. Friday April 22, 2011

**COLLABORATORS:** Stephani Zador (NOAA): The effects of fishing-induced changes in size of Pacific cod on their functional role as predator in the Gulf of Alaska.

#### **OUTREACH AND SERVICE**

- 2012-2014 Graduate student representative UCSB Diving Safety Control Board Committee, Small Boating Operations Committee
- 2012-2014 Developed hands-on experimental learning module examining predator-prey interactions in local rocky intertidal communities for middle school in Oxnard.
- 2010-2014 Volunteer Judge for Santa Barbara County Science Fair
- 2010-2011 Coordinator, EEMB Graduate Student Symposium
- 2009-2011 Member EEMB Graduate Student Advisory Committee