
Kristy J. Kroeker

Stanford University • Hopkins Marine Station
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EDUCATION

Stanford University (2007-Present, Expected completion in 2013)

- Ph.D. student • Biological Sciences
- Advisor: Dr. Fiorenza Micheli

Brown University (2005-2006)

- Graduate student • Ecology and Evolutionary Biology
- Advisor: Dr. Mark Bertness

University of California, Santa Cruz (1996-2000)

- Major: Marine Biology (Honors in the major, Honors in the college)
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RESEARCH INTERESTS

Marine community ecology, climate change, ocean acidification, cumulative impacts, species interactions, marine conservation strategies

PUBLICATIONS

Crain, C.M., **Kroeker, K.**, and B.S. Halpern (2008). Interactions and cumulative impacts of multiple stressors in marine ecosystems. *Ecology Letters* 11: 1304-1315

Kroeker, K.J., Crain, C.M. and F. Micheli. Deconstructing climate change: The cumulative effects and interactions of multiple climatic stressors in marine ecosystems. *In review*

FELLOWSHIPS AND AWARDS

Fletcher Jones Foundation Graduate Fellowship, Stanford University (2007)

National Science Foundation Graduate Research Fellowship (2006)

National Estuarine Research Reserve System Graduate Research Fellowship (2006)

Priscilla Parkins Memorial Scholarship, UCSC (2000)

GRANTS

Stanford Vice President of Graduate Education SCORE grant, “The effects of ocean acidification on benthic community structure: A novel study of naturally elevated CO₂ levels on shallow-water volcanic vent ecosystems” (2008)

Dr. Earl H. Myers and Ethel M. Myers Oceanographic and Marine Biology Trust, “The Effects of Multiple Stressors on Rocky Reef Community Structure and Function” (2008)

PROFESSIONAL EXPERIENCE

The Nature Conservancy Global Marine Initiative, Research technician (2007)

- Performed research and support for all marine initiatives
- Dr. Mike Beck, The Nature Conservancy

Antarctic Marine Living Resources Division (NOAA), Research technician (2005)

- Research examined the relationship between Antarctic krill species, their predators, and environmental stressors, near the Antarctic Peninsula.
- Dr. Valerie Loeb, Moss Landing Marine Laboratories.

Oceanities Inc., Field biologist (2005)

- Performed census of seabirds in the Antarctic Peninsula to monitor population dynamics, and inter-annual variation in reproductive success.
- Ron Naveen, Oceanities, Inc.

Partnership for the Interdisciplinary Studies of Coasts and Oceans (PISCO), Research Technician (2000)

- Research was a long-term monitoring project of nearshore communities in California, Oregon, and Washington.
- Dr. Pete Raimondi, Ecology and Evolutionary Biology Dept, UCSC.

University of California, Santa Cruz, Research Assistant (1999)

- Research determined how predation and/or competition affect the mortality rates of juvenile damselfish.
 - Dr. Mark Carr, Ecology and Evolutionary Biology Dept, UCSC
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TEACHING EXPERIENCE

Stanford University, Teaching Assistant

Synthesis in Ecology (2009)

Marine Ecology (2008)

Brown University, Teaching Assistant

Invertebrate Zoology (2005)

Marine Ecology (2006)

Open Meadow Middle School, Portland, OR., Science Teacher (2003-2005)

A non-profit alternative middle school that serves youth-at-risk in North Portland.

GUEST LECTURES

Guest lecture at California State University Monterey Bay, “**The cumulative impacts of multiple stressors in marine ecosystems**” Spring 2009.

Guest lecture at Hopkins Marine Station Marine Ecology class, “**Vegetated marine habitats,**” Winter 2008.

Guest lecture at Hopkins Marine Station Marine Ecology class, “**Climate change and multiple stressors**,” Winter 2008.

INVITED PRESENTATIONS

Invited speaker and participant in Okeanos – Stiftung für das Meer “**Workshop on Cumulative Impacts/ Effects of Anthropogenic Stressors on Marine Mammals: From Ideas to Action**,” August 2009.

SEMINARS AND PRESENTATIONS

Seminar “Multiple Stressors and Marine Ecosystems,” Dipartimento di Scienze Ambientali, University of Parma, Italy, Spring 2008.

WORKSHOPS AND SYMPOSIA

National Center for Atmospheric Research Advanced Study Program summer colloquium participant, “**Marine Ecosystems and Climate: Modeling and Analysis of Observed Variability**,” August 2009.

PRIMER workshop participant, “**Analysis of Multivariate Data from Ecology and Environmental Science using PRIMER v6**,” Summer 2008.

RELEVANT COURSEWORK

Marine Ecology
Synthesis in Ecology
Marine Biogeochemistry
Global Environmental Change
Oceanography
Quantitative Marine Science