

# Joseph R. Peters

## Curriculum Vitae

Santa Barbara Coastal LTER  
Marine Science Institute  
UC Santa Barbara  
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### EDUCATION

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2016 - present	Ph.D	Ecology, Evolution, & Marine Biology University of California Santa Barbara
2016	M.S.	Environmental Science & Management Portland State University
2013	B.S.	Marine Biology, <i>Magna Cum Laude</i> Florida International University

### FELLOWSHIPS

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2015 – 2016	<i>Natural Resource Policy Fellow</i> , Oregon Sea Grant
2015	<i>Directorate Fellow</i> , U.S. Fish & Wildlife Service
2014 – 2015	<i>Robert E. Malouf Fellow</i> , Oregon Sea Grant

### GRANTS & HONORS

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2017	Coastal Fund Award, Associated Students, UCSB - \$9,363
2015	Natural Resource Policy Fellowship, Oregon Sea Grant, - \$32,000
2015	Directorate Resource Assistant Fellowship, U.S. Fish & Wildlife Service - \$5,500
2015	Dean's Award for Academic Achievement, PSU CLAS
2015	Outstanding Graduate Research Award, PSU ESM Department
2014 – 2015	Robert E. Malouf Scholarship, Oregon Sea Grant - \$10,800
2013	Outstanding Academic Achievement in Marine Biology, FIU CLAS
2011 – 2013	Capt. Kevin Llorente Memorial Scholarship, Kiwanas Club of Little Havana - \$5,000
2011 – 2013	First Generation Scholarship, City of North Miami, FL - \$2,000
2011 – 2013	Dean's List, Florida International University

### PUBLICATIONS

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**Peters, J.R.**, Granek, E.F., de Rivera, C.E., and Rollins, MA. 2017. Prozac in the water: Chronic fluoxetine exposure and predation risk interact to shape behaviors in an estuarine crab. *Ecology & Evolution* 7 (21) 9151-9161.

**Peters, J.R.** and Granek E.F. 2016. Long-term fluoxetine exposure reduces growth and reproductive potential in the dominant rocky intertidal mussel, *Mytilus californianus*. *Science of the Total Environment* 545-546, 621-628.

Yeager, L.A., Stoner, E.W., **Peters, J.R.**, and Layman, C.A. 2016. Potential terrestrial-aquatic food web subsidy is mediated by multiple predator effects on an arboreal crab. *Journal of Experimental Marine Biology and Ecology* 475. 73-79.

Catano, L.B., Rojas M.C., Malossi, R.J., **Peters, J.R.**, Heithaus, M.R., Fourqurean, J.W., and Burkepille D.E. 2016. Reefscapes of fear: predation risk and reef heterogeneity interact to shape herbivore foraging behavior. *Journal of Animal Ecology* 85(1): 146-156.

**Peters, J.R.**, Yeager, L.A., and Layman C.A. 2015. Comparison of fish assemblages between intact and restored mangroves along an urban shoreline. *Bulletin of Marine Science* 91 (2): 125-139. \*Selected as feature article of the month

### *Reports*

**Peters, J.R.** 2016. Statewide Assessment of Municipal Stormwater Quality Monitoring Programs. Oregon Department of Environmental Quality. 102pp.

**Peters, J.R.** 2015. Local Implementation Plan for the Pacific lamprey in the South Santiam Subbasin, Oregon. U.S. Fish and Wildlife Service, Portland Oregon. 64pp.

## **RESEARCH SKILLS**

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- Data analysis and statistical programming in R
- Spatial analysis and GIS in Arc Map and R
- Nutrient analysis (Carbon, Nitrogen, Phosphorus)

## **TEACHING EXPERIENCE**

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2016 - 2018	<i>Instructor</i> - UCSB R-workshop: data exploration, statistics, linear models, ANOVA, time series
2016 - 2018	<i>Teaching Assistant</i> - UCSB Courses: Aquatic Communities, Intro to Ecology, Biometry
2016	<i>Tutor</i> - Revolution Prep, Inc. Courses: Statistics, Biology, Chemistry, Physics, Algebra, Geometry
2014 - 2015	<i>Lead Teaching Assistant</i> - PSU Courses: Environmental Systems I lab (hydrological and atmospheric systems), Environmental Systems II lab (watershed ecology and biogeochemistry), Risk Assessment lab (ecotoxicology and group research)
2015	<i>Guest Lecturer</i> - Coastal Marine Ecology - PSU "Experimental design & research proposals"
2014	<i>Guest Lecturer</i> - Conservation Biology - PSU "Caribbean lionfish invasions" and "Overfishing"
2014	<i>Teaching Assistant</i> - PSU Energy and Society

- 2014                      *Teaching Assistant - PSU*  
Introduction to Environmental Management
- 2013 - 2014            *Teaching Assistant - PSU*  
Courses: Environmental Systems I lab (hydrological and atmospheric systems),  
Environmental Systems II lab (watershed ecology and biogeochemistry), Risk  
Assessment lab (ecotoxicology and group research)

## OUTREACH

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- 2016 – present    Undergraduate Mentor, UCSB  
-Mentored several undergraduates in ecological experimental design and data analysis  
-Assisted in the development of independent projects focused on kelp forest ecosystem  
and community dynamics
- 2013 – 2016       Undergraduate Mentor, PSU  
-Mentored two undergraduate students to develop independent projects focused on the  
ecological stressor effects of pharmaceutical drugs on Oregon's coastal communities.
- 2011 – 2012       President, Marine Biology Club, FIU  
-Organized marine biology major activities and community outreach events,  
including shoreline cleanups and education programs for children at Biscayne Bay  
Elementary School, Miami, FL.
- 2011                Eco-camp counselor, Friends of the Environment, Abaco, Bahamas.  
-Taught local school children, ages 5-14, about neighboring marine ecosystems and how  
to preserve nearby coastal resources.

## PROFESSIONAL PRESENTATIONS

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- Peters, J.R. Pharmaceutical contaminants as stressors on rocky intertidal and estuarine  
organisms: a case study of fluoxetine. Masters Thesis Presentation. Portland State  
University, Portland, OR. Nov 2015.
- Peters, J.R. and Granek, E.F. Prozac in the water: how does long-term exposure to fluoxetine  
effect mussel physiology and function? Coastal & Estuarine Research Federation,  
National meeting, Portland, Oregon. Oral presentation. Nov 2015  
\*Co-convener of the session: Legacy and emerging contaminants in coastal ecosystems.
- Peters, J.R. and Granek, E.F. Long term exposure to environmental levels of fluoxetine reduces  
growth and reproductive potential in the mussel *Mytilus californianus*. State of the  
Coast, Oregon Sea Grant. Poster presentation. Oct 2015
- Peters, J.R. and Granek, E.F. Prozac in the water: how does long-term exposure to fluoxetine  
effect mussel physiology and function? Graduate Student Colloquium, Portland State  
University. Oral presentation. May 2015.
- Peters, J.R., Yeager, L.A., and Layman, C.A. *Comparison of community structure between  
intact and restored mangroves in Biscayne Bay, Florida*. American Fisheries Society:  
Western Division Annual Meeting: The Second International Symposium of  
Mangroves as Fish Habitat, Mazatlán, Mexico. Poster presentation. April 2014.
- Peters, J.R., Yeager, L.A., and Layman, C.A. *Comparison of community structure between  
intact and restored mangroves in Biscayne Bay, Florida*. Graduate Student

Colloquium. Portland State University, Portland, OR. Poster presentation. October 2013.

Peters, J.R. *Comparison of community structure of mangrove and riprap communities along urban coastlines of south Florida*. Honors Thesis Presentation. Florida International University, Miami, FL. April 2013.

## **CERTIFICATIONS**

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- California Boating License
- Motorboat Operator Certification
- UCSB SWC Captain certification
- AAUS Scientific Diver
- PADI Advanced Open Water
- American Red Cross First Aid and CPR