

**COASTAL ENVIRONMENTAL QUALITY INITIATIVE**  
**Proposals Recommended for Funding FY 2001-02**

**GRADUATE FELLOWSHIP PROPOSALS** (Faculty Advisor's name in brackets)

PI	Department	Campus	Proposal Title
Bernardo Broitman (Steve Gaines)	Marine Science Institute	UCSB	A Dynamic Approach to the Characterization of Marine Habitats
Kristin Byrd (Nina Kelly)	Department of Environmental Sciences, Policy and Management	UCB	Agriculture in the watershed and its impact on the structure of salt marshes in Elkhorn Slough; use of remote sensing for historical change detection
Chad English (Clint Winant)	Division of Integrative Oceanography	UCSD	Sea Level and Pressure in the Coastal Environment: Effects on Pollution, Ecosystems and Hazards
Jonathan Flowers (Ronald Burton)	Scripps Institution of Oceanography	UCSD	Molecular Genetic Assessment of Disbursal in the Sea Urchin, <i>Strongylocentrotus Purpuratus</i>
Rachel Johnson (Mark Carr)	Department of Ecology and Evolutionary Biology	UCSC	The Importance of Stock Structure and Production Source to Population Dynamics of California Central Valley Chinook Salmon
Hai-Yong Kang (Brett Sanders)	Department of Civil and Environmental Engineering	UCI	Analysis and Modeling of Internal Tidal Runup: Implications for Oceanic Waste Disposal
Christine Kreuder (Jonna Mazet)	Department of Epidemiology	UCD	Assessment of Recent Spatial Trends in Cause-specific Mortality in Southern Sea Otters
Carey Kuhn (Daniel Costa)	Department of Biology	UCSC	Assessing the Feeding Behavior of California Sea Lions
Claudia Mengelt (Barbara Prézelin)	Marine Science Institute	UCSB	A Mechanism Couple Sewage Effluent to the Dark Survival of the Toxic Diatom <i>Pseudonitzschia</i> spp. and Subsequent Initiative of Toxic Blooms by Coastal Upwelling
Aaron Kimo Morris (William Hamner)	Department of Organismic Biology, Ecology and Evolution	UCLA	Macrozooplankton Assemblages in California Fronts
Christopher Pincetich (Ronald Tjeerdema)	Department of Environmental Toxicology	UCD	Sub-lethal Effects of Pesticides in Storm-water Runoff on Chinook Salmon Development
Timothy Robinson (John Melack)	Bren School of Environmental Science and Management	UCSB	Understanding Nutrient Loading to the Coastal Zone from Urban Watersheds
Natalie Senyk (David Siegel)	Institute for Computational Earth System Science	UCSB	Using Remotely Sensed Data to Describe Spatial and Temporal Habitat Distributions of Valued Marine Resources
Woutrina Smith (Patricia Conrad)	Department of Veterinary Medicine	UCD	<i>Cryptosporidium</i> in Bivalves as Indicators of Fecal Pollution in the California Coastal Ecosystem

**GRADUATE FELLOWSHIP PROPOSALS** (Faculty Advisor's name in brackets)

Steve Taylor (Nicholas Graham)	Climate Research Division, Scripps Institution of Oceanography	UCSD	Impacts of Climate Change on Wind, Waves, and Sediment Transport in the Southern California Bight
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**GRADUATE RESEARCH SUPPORT PROPOSALS**

Bonnie Becker (Lisa Levin)	Scripps Institution of Oceanography	UCSD	Using LA-ICP-MS Elemental Fingerprinting to Evaluate Transport and Retention of Mussel Larvae
Elizabeth Brusati (Edwin Grosholz)	Department of Environmental Science and Policy	UCD	Facilitation Between Non-indigenous Species: Smooth Cordgrass and Invertebrates
Fredrick Fodrie (Lisa Levin)	Scripps Institution of Oceanography	UCSD	Retroactive Tracking of Nursery Habitat Use by California Halibut: Trace Element and Molecular Markers
Jennifer Neale (Ronald Tjeerdema)	Department of Environmental Toxicology	UCD	Contaminant-induced Immune Alterations in the Pacific Harbor Seal, Phoca Vitulina Richardsi, of the Central Coast and San Francisco Estuary, California

**PRINCIPAL INVESTIGATOR PROPOSAL  
MULTI-CAMPUS, COLLABORATIVE RESEARCH**

Robert Warner	Department of Biology	UCSB	Larval pathways and population connectivity in near shore marine organisms
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