

***Pseudo-nitzschia* Research on the West Coast  
Supported by NOAA and Other Agencies over the Last Decade**

California			
Funding Agency	Principal Investigator	Primary Institution	Title
NOAA ECOHAB	Kudela, R.	University of California, Santa Cruz	Regulation of <i>Pseudo-nitzschia australis</i> by C, N, Si interactions
NOAA ECOHAB	Silver, M.	University of California, Santa Cruz	Domoic acid in a coastal food web
NOAA ECOHAB	Wells, M.	University of California, Santa Cruz	A new chemosensor for domoic acid based on molecular imprinting
NOAA ECOHAB	Wells, M.	University of California, Santa Cruz	The Role of Trace Metals in Regulating Domoic Acid Production and Release by Toxicogenic Diatoms
NOAA MERHAB	Caron, D.	University of Southern California	MERHAB - RAPDALERT: Rapid analysis of <i>Pseudo-nitzschia</i> and domoic acid, locating events in near real time
NOAA MERHAB	Miller, P.	University of California, Santa Cruz	California program for regional enhanced monitoring of phyco-toxins (Cal-PReEmpt)
NOAA OHHI	Gulland, F.	The Marine Mammal Center	Sub-lethal effects of Domoic acid on California's Sea Lions, Sentinels of Ocean Changes that Affect Human Health
NOAA Sea Grant	Garrison, D.	University of California, Santa Cruz	Assessing environmental control of domoic acid production by the plankton diatom, <i>Pseudo-nitzschia australis</i> , in California coastal waters
NOAA Sea Grant	Smith, J.	University of California, Los Angeles	Domoic acid biosynthesis in marine diatoms: Biochemical pathways and environmental regulation
NOAA Sea Grant	Tjeerdema, R.	University of California, Santa Cruz	Toxicokinetics of domoic acid in representative seafood species
EPA ECOHAB	Caron, D.	University of Southern California	Stimulation of toxic blooms of the diatom <i>Pseudo-nitzschia</i> spp. by urban river discharge into southern California Coastal Waters
EPA ECOHAB	Wells, M.	University of California, Santa Cruz	Ecophysiology studies of <i>Pseudo-nitzschia</i> species
NSF ECOHAB	Kudela, R.	University of California, Santa Cruz	Development of molecular and biochemical signatures for the detection of toxin production in <i>Pseudo-nitzschia</i> spp. under nutrient stress
Oregon and Washington			
Funding Agency	Principal Investigator	Primary Institution	Title
NOAA ECOHAB	Lefebvre, K.	NOAA/NMFS	Effects of algal toxin exposure in early life history stages of fish
NOAA ECOHAB	Trainer, V.	NOAA/NMFS	Mechanisms and control of toxin accumulation in shellfish
NOAA NSF ECOHAB	Hickey, B.	University of Washington	ECOHAB PNW: Ecology and oceanography of toxic <i>Pseudo-nitzschia</i> in the Pacific Northwest coastal ocean
NOAA MERHAB	Hickey, B.	University of Washington	Olympic Region Harmful Algal Bloom (ORHAB) Project
NOAA MERHAB	Schumacker, J.	Quinault Indian Nation (QIN)	Shellfish HAB Sampling and Monitoring Project
NOAA MERHAB	Litaker, W.	NOAA/CCFHR	Monitoring domoic acid in marine food webs and water
NOAA OHHI	Strutton, P.	Oregon State University	Optical tagging and tracking of water masses for prediction of human health hazards
EPA ECOHAB	Schultz, I.	Pacific Northwest National Laboratory	Domoic acid kinetics and trophic transfer in shellfish: an integrated laboratory and mesocosm study
NASA ECOHAB	Edwards, K.	University of Washington	Satellite analysis of the physical forcing of algal blooms in the Pacific Northwest coastal ocean