



FRIENDS OF MOSS LANDING
MARINE LABORATORIES
presents



TS Golden Bear

AQUATIC INVASIVE SPECIES: WANTED DEAD, NOT ALIVE

*An evening with
MLML Professor Nick Welschmeyer*

Please join us Wednesday, December 5th at 7:00 PM

ABOUT THE TALK: Maritime shipping is potentially the largest transfer mechanism for coastal invasions. As ships traverse the globe, they bring onboard enough water to fill ten Olympic-sized pools for ballast and stability. This water is filled with organisms, both microscopic and visible to the naked eye, from viruses to fishes. To prevent the spread of invasive species, the International Maritime Organization developed regulations that requires ships to reduce the number of live organisms to 10 per 1000 liters of water. This is a great stride toward reducing invasions, but, one that requires close examination of thousands of gallons of water! Join us to hear how Dr. Nick Welschmeyer and his lab are working with the California Maritime Academy's TS *Golden Bear* training ship to monitor ballast water quality and develop methods to automate the process.

ABOUT THE SPEAKER: A faculty member of Moss Landing Marine Labs (MLML) since 1988, Dr. Welschmeyer's past positions included Associate Professor at Harvard University and Senior Scientist at the Monterey Bay Aquarium Research Institute (MBARI). Dr. Welschmeyer currently serves as the Lead Scientist for the Golden Bear Facility, a collaboration between the CSUs California Maritime Academy and MLML, and as advisor to the EPA Science Advisory Board on Ballast Water Management. He was recently awarded 1st place in the German BSH Proposal Competition for novel ballast water compliance technologies.

Recommended donation for non-Friends of MLML: \$8

All donations will support an MLML student scholarship. To check if you are a Friend of MLML, please call 831-771-4464.

Community Science Lectures are held in the Seminar Room at MLML at 8272 Moss Landing Road in Moss Landing. Questions? Call Friends at (831) 771-4464