



## Workshop on Paleocean Acidification and Carbon Cycle Perturbation Events Catalina Island, August 26-28, 2010





## Workshop themes:

### Current status of paleo-ocean acidification research

Past, Present, Future

Definition of a paleocean acidification *event*

### Paleo-proxies, validation and analysis

CO<sub>2</sub>-and deep ocean carbonate chemistry proxies, dinoflagellate  $\delta^{13}\text{C}$ ,  
Mg/Ca and calcification

### Physico-chemical changes in the paleocean

analogues for paleo-OA, evidence from the PETM, Cenozoic saturation state,  
coral reefs and ocean pH

### Biological Consequences

biomineralization: coccolithophores, foraminifers, corals; changes in species  
composition and abundance, molecular advances in modern organisms