

Currently funded projects

1. Collaborative Research: The impact of ocean warming on bioactive trace metal requirements and use efficiencies of marine nitrifying microorganisms. Hutchins, D.A., Fu, F.-X. John, S.G., NSF Biological Oceanography
2. Multi-trophic level responses to Ocean Acidification and Hypoxia: linking experimental responses to field observational data. Gracey A., Hutchins D.A., USC Urban Ocean Sea Grant
3. “NSFGEO-NERC: Understanding the consequences of changing phytoplankton elemental use efficiencies for global ocean biogeochemistry” Hutchins, D.A., Fu, F.-X., Collaborative US/UK award with A. Tagliabue, U. Liverpool, NSF Biological Oceanography

Recent funded projects

4. “Collaborative Research: Evolutionary, biochemical and biogeochemical responses of marine cyanobacteria to warming and iron limitation interactions.” Hutchins, D.A., Fu, F.-X. and Webb, E.A., NSF Biological Oceanography:
5. “Life in a turbulent ocean: Understanding the microbiology of a keystone marine nitrogen fixer with fluid mechanics.” Hutchins, D.A., Fu, F.-X., Ronney P. and Pahlevan, N. Strategic Directions for Research Award, USC Office of Research Initiatives & Facilities
6. “Multiple Stressors and Toxic *Pseudo-nitzschia* Blooms in California Waters: Understanding the Complex Interactive Impacts of Nutrients, Temperature, and Carbonate Chemistry.” Hutchins, D.A. and Fu, F.-X., USC Urban Ocean Sea Grant and California Ocean Protection Council
7. “Collaborative Research: Iron and phosphorus balanced limitation of nitrogen fixation in the oligotrophic ocean.” Hutchins, D.A., Fu, F.-X. and Webb, E.A., NSF Biological Oceanography
8. “Dimensions: Collaborative Research: Genetic, functional and phylogenetic diversity determines marine phytoplankton community responses to changing temperature and nutrients.” Hutchins, D.A., NSF Dimensions of Biodiversity
9. “How does intensity and frequency of environmental variability affect phytoplankton growth?” Fu, F.-X., Hutchins, D.A., Levine, N., NSF Biological Oceanography