Data Management Plan

This proposal will generate a large amount of oceanographic metadata, species abundance/distribution data, and microbial metagenome data. To properly store the data, database software (Access & SQL) will be used to manage and organize the data and facilitate statistical analyses. Dr. Vega's lab maintains it own server for accessing, storing, and disseminating data.

All oceanographic metadata (e.g. seawater temperature, irradiance, nitrogen/phosphorus data) will be submitted to the National Oceanographic Data Center (NDOC) (http://www.nodc.noaa.gov/) in compliance with the guidelines for the Division of Ocean Sciences Data and Sample Policy. Further, all species abundance, distribution, and diversity data for algae, fishes, corals, and other invertebrates will be submitted to the Ocean Biogeographic Information System (OBIS) (http://www.iobis.org). In addition, all metagenome data will be easily and freely accessible on the CAMERA (Community cyberinfrastructure for Advanced Microbial Ecology Research and Analysis) website (http://camera.calit2.net/) and ultimately on the NCBI (National Center for Biotechnology Information) (http://www.ncbi.nlm.nih.gov/) environmental database.