Moisander, Altabet, Zehr

DATA MANAGEMENT PLAN

Each PI will be in charge of archiving the raw data from analytical measurements conducted in the respective laboratories. Pia Moisander will archive the sequence data from cloning and sequencing, data from quantitative PCR and nanoSIMS. Zehr laboratory will archive the raw and analyzed transcriptome data. Altabet laboratory will maintain records of instrument raw data files and analyzed datafiles from mass spectrometer analyses for ^{15}N incorporation and natural ^{15}N abundances.

Cruise data will be submitted to the Biological and Chemical Data Management Office (BCO-DMO, http://www.bco-dmo.org/). Metadata supporting common sampling and experimental activities will be archived and made available by request from the PI. Sequences that result from cloning and sequencing will be submitted to GenBank (http://www.ncbi.nlm.nih.gov/). Sequence data will be submitted with logistical information. Transcriptome data will be deposited in the appropriate database (such as CAMERA, Community Cyberinfrastructure for Advanced Microbial Ecology Research & Analysis, http://camera.calit2.net/) with all required metadata, as well as ancillary data from nutrients, salinity, etc. as much as they are available. The PI Moisander will keep and archive essential culture isolates, and deposit key cultures in the American Type Culture Collection (http://www.atcc.org/). These and other cultures are made available by request for the science community for use in research and education. Ancillary environmental data collected on the BATS cruises are analyzed and archived by the long-term monitoring effort at BATS and made available to the community on the routine basis at http://www.bios.edu/research/bats.html.