

DATA MANAGEMENT PLAN

The main objectives of this proposal are to characterize the growth rates and activities of low-oxygen adapted *Prochlorococcus*: both wild populations in the Eastern Tropical North Pacific Oxygen deficient zone and cultured isolates in the lab. Data management issues fall into three areas.

Biological material: Novel *Prochlorococcus* clonal isolates will be deposited in the Provasoli-Guillard National Center for Culture of Marine Phytoplankton.

Sequence data: Assembled and annotated *Prochlorococcus* genomes will be deposited in NCBI's GenBank database where they will be publicly available. Transcriptomic data from the experiments proposed here will be deposited in GenBank at the sequence read archive (formerly the short read archive) at NCBI.

Environmental data: The major field component of this proposal is a cruise already funded as part of the Dimensions in Biodiversity project that Rocap is the PI on. This project is already registered in BCO-DMO and the 2019 cruise will be registered as a deployment within this program and core oceanographic data (CTD casts and nutrients) will be added as part of that project. Additional molecular data generated by this proposal will be added as a dataset to this deployment in BCO-DMO with a description of the methods and metadata and links to locations (ie NCBI) where the data are deposited.