Data Management Plan

Primary investigator: Stephanie Carr
Project: Resolving the Advantages of Motility and Chemotaxis in Oceanic Crust
NSF Division: OCE
Solicitation Info: NSF OCE-PRF 14-607
Submission Date: 1/8/2014

Overview and Expected data products:
The following data management plan has been developed in accordance to the NSF OCE Data and Sample policy (NSF 11-060). This project will isolate motile organisms from crustal fluids and will generate genomic and physiological data. No environmental data will be collected.

Sample archiving (all to be released within two years of acquisition):
Isolated cultures will be maintained in Dr. Orcutt's laboratory as working stocks, frozen with glycerol. Requests for working stocks will be obliged after official descriptions have been published, or after two calendar years of isolation, whichever comes first. Additionally, isolates will be archived in the National Center for Marine Algae and Microbiota (NCMA) at Bigelow. Raw data describing growth and motility behaviors and microscopy images will be achieved at the Bigelow Laboratory for Ocean Sciences (BLOS) on a High- Performance Elastic Computing Environment (HPEC) by Carr and will made available upon request. Genomic data will also be saved on the HPCE at BLOS and ultimately achieved with the MG-RAST metagenomic server and the Department of Energy's Joint Genome Institute Integrated Microbial Genomes and Metagenome data management system.