Data Management Plan

PI Orcutt will lead data management in close collaboration with the Co-PIs. Data types to be managed include information about samples collected during IODP Expedition 336, protocols and designs, genetic sequence information, results of quantitative functional gene analyses, and basement fluid trace metal and dissolved organic matter data. These data types will be managed in the following ways:

- IODP Expedition 336 sample information will be managed in association with the curator for the Ocean Drilling Program LIMS database to allow open access to the web database
- All protocols and experimental designs will be made available through publication and submission to a methods archive on the C-DEBI website
- All genetic sequence information will be archived in appropriate public databases including the National Center for Biotechnology Information (for full-length gene sequences, www.ncbi.nlm.nih.gov) or MG-RAST (for large datasets of short sequence reads or metagenomic data, http://metagenomics.anl.gov). When allowed, associated meta-data including information about the sample will be linked to the sequence archives.
- qPCR results will be made available through publication
- fluid chemistry data will be made available through publication and archive in appropriate geochemical databases (*e.g.,* EarthChem - www.earthchem.org , or Pangaea - www.pangaea.de)

Data and publications resulting from this project will also be archived with the IODP Expedition 336 public database managed by IODP-MI, and data will be shared with all expedition participants. The PI will also maintain a redundant digital archive copy of all relevant data for at least 5 years after the end of the project.

All samples and appropriate data will be made available upon request following the rules of the IODP Expedition 336 research moratorium guidelines.