

Functional diversity of infaunal burrowers: Towards a mechanistic understanding of animal-sediment interactions

Data Management Plan

We will not be collecting oceanographic data appropriate for the major databases. The data will consist primarily of video and image data of polychaete locomotion, anatomy and fine structure, which we will make available through the website (<http://spineless.ucsd.edu>) and mirrored for long term archiving at the Benthic Invertebrate Collection (BIC) and Scripps Institution of Oceanography (<http://collections.ucsd.edu/bi/>). We anticipate the majority of interest in our data will be in our highest-quality videos, which we expect to be used primarily for qualitative purposes. In addition, we will be developing methods that will be described in publications and explained in further detail to anyone interested in conducting similar experiments upon inquiry. We do not plan to quantify abundances and biomass of benthic infauna, but will submit species names and collection locations to the Ocean Biogeographic Information System website (<http://www.iobis.org/>).

Additionally, the variety of burrowing annelids we assess from along the US west coast will be deposited at BIC. The slides resulting from the serial sectioning of wax and plastic embedded specimens will also be archived at BIC for long-term storage. All specimens catalogued at BIC are available for loan and a permanent Collection Manager maintains the collection.

Addendum to Data Management plan

All data for DNA sequencing will be deposited on GenBank with voucher specimens deposited at Benthic Invertebrate Collection (BIC) and Scripps Institution of Oceanography