

NIH Example

Resource Sharing and Data Dissemination Plan

The University of Delaware is committed to the open and timely dissemination of research outcomes. Investigators in this proposed program recognize that promising new methods, technologies, data, software programs, and insights may arise during the course of their research. All investigators are aware of and agree to abide by the principles for sharing research resources, as described by NIH in "*Principles and Guidelines for Recipients of NIH Research Grants and Contracts on Obtaining and Disseminating Biomedical Research Programs.*" The data generated in this grant will be presented at national or international conferences and published in a timely fashion. All final peer-reviewed manuscripts that arise from this proposal will be submitted to the digital archive PubMed Central.

Wherever applicable, data will be deposited to appropriate public repositories. The Sequence Read Archive (SRA) at NCBI [70] allows researchers to archive sequence read data and quickly access known data and their associated experimental descriptions (metadata). We will follow the NCBI SRA submission protocols and use Aspera client to automatically submit the RNA-Sequencing data, metadata and analysis results. We will deposit miRNAs and miRNA-target transcriptome data generated from various developmental stages of the sea urchin embryo (Project 3) into the Gene Expression Omnibus (GEO). The transcriptome data from the huntington study (Project 1) will be deposited to GEO, the HDBase (<http://hdbase.org>)—a community website for Huntington's Disease research, and locations as specified by the journals at the time of publication. In addition, open-source computational software programs developed in this program will also be available from the project web portal. Specialized reagents and resources will similarly be deposited. For instance, the hybridoma cells generating monoclonal antibodies against the sea urchin Argonaute protein (Project 3) will be deposited in the Developmental Studies Hybridoma Bank (DSHB), which banks and distributes monoclonal antibodies and their products to benefit the biology research community and facilitate research.