(GIGA)^{n}DB

Submission wizard to enable authors to curate their own metadata

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GigaDB (http://www.gigadb.org) is an integrated database of 'big-data' studies from the life sciences. The initial goals of GigaDB are to assign Digital Object Identifiers (DOIs) to datasets to allow them to be tracked and cited, and to provide a user-friendly web interface for providing easy access to GigaDB datasets and files. The new GigaDB submission wizard can help authors curate their own metadata (information about the dataset), which allows searching and indexing.

The submission wizard is based on the GigaDB database schema. It is divided to three main parts: Study, Authors and Sample details, with the ability to include links to Projects, genome browsers, related DOI(s) and even other external URL links. Authors simply follow the steps and fill in the information on the web-forms. After curators review the submission, authors will be given credentials to allow upload of data files to the GigaDB server. The submission wizard can then be used to add and modify any metadata about the files (description, format, links to samples etc...). GigaDB creates DataCite Metadata standard compliant XML and after our curators review your submission, this is used to assign a unique DOI to the dataset, which can be used for citation purposes.

GigaDB is an open-access data repository closely linked to Gigascience journal, we aim to promote reproducibility of published research by allowing access to all the data, and maximize the reuse of published data by giving a means to credit data publication by citation. The new GigaDB submission wizard plays an important role in the GigaDB structure. It provides a new simple to use web-interface for authors to curate their own data with the most relevant and accurate information. We wish solicit open discussions from others to help our future developments. (database@giagsciencejournal.com)

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