



Laboratory of Translational Genomics



Department of
Information Engineering
And Computer Science

Title:

Implementation of a database for human genomic data and development of related interfaces

Description:

The project consists in the implementation of a database about human untranslated regions of mRNA (UTRs) which will contain data collected at CIBIO/DISI related to biological UTR annotation. The first part of the project will focus on modelling the database schema and populating its tables with data; next, a website will be created to allow access and retrieval of these data through a dynamic interface (based on PHP and AJAX technologies), so to empower an efficient and strongly interactive user experience. Eventually, in order to provide further ways of accessing the database, a set of web services will be realized that allow data retrieval in a programmatic way.

Duration:

6 months