BioAware is a leading company in Bioinformatics. Our long standing experience in data management, analysis, identification and classification allows us to respond quickly to specific needs of our customers.

Our BioloMICS software offers a solution for any biological data. We have secured hosting facilities for your databases and websites in our datacenter and we are also developing solutions adapted to your needs.

Create simple or complex databases on the fly. No need to be a software developer or a database manager.

Add or modify tables and fields at any time and in seconds.

You have the ability to make your database evolving with the needs of your business and research projects.

→ www.bio-aware.com
BioloMICS is the most complete software solution for storage, management, analysis and publication of biological data and is the best choice for any research or industrial laboratories, museums, culture collections and many more.

Applications: The “Swiss Army knife” solution for biological data

Culture collections

Store all kinds of strain/specimen information in one database. Enter easily new data or import large amounts of data on the fly. Share your data online and make it possible to order new cultures online or deposit new information through the web. Keep track of your collection’s stock and manage easily new strains using the stock management system in BioloMICS.

Museums

Store any kind of microbial data such as yeasts, fungi, bacteria and viruses or data related to plants, insects, animals or human cells. The integrated LIMS (Laboratory Information Management System) is easy to use and can help you to keep track of all the steps performed in the laboratory, e.g. sequencing samples. This includes the DNA extraction-, PCR-, sequence- and editing steps.

Hospitals

Especially for patient data and other data that are highly sensitive, BioloMICS allows to secure your data the way you want. Decide which groups of users can see what kind of data. Restrictions can be placed at the table, field and record levels. The analysis tools can be used to identify new pathogens and the results could be used for the prediction of new medicines. With the geographic manager tool you are able to monitor the spread of infections and outbreaks of diseases.

BioloMICS for anyone

Besides the applications mentioned above, BioloMICS can be used in many other fields. For example, the industry can use the software to improve and develop new products. Other fields using BioloMICS can be listed such as biodiversity research, universities, food industry, breweries and many more.
Manage, analyze and publish easily. Any data can be archived in BioloMICS, from morphology, physiology, chemistry, chromatography, electrophoresis, molecular to bibliography, taxonomy, geography, ecology or administration.

**Management and data exchange**

The data structure in BioloMICS is fully flexible. Users can create their own layouts or views on tables. The history of changes tool keeps track of all the changes ever made in the database and the integrated stock management system allows to easily manage the flow of stock in your collection. Import new data and export existing data or create your own export templates for invoicing, catalogs, and more.

**Sequences**

A trace files viewer (ABI, AB1 and SCF formats accepted) and contig edition tool are available to edit your raw sequences and save the results in the database. Create your own sequence databases and align unknown sequences in batch. Alignments can be performed against a local database and at the same time against Genbank/NCBI. Perform a multiple alignment with the sequences present in your database or imported from Fasta files.

**Publish your data online**

Some institutions like culture collections, museums or research groups want to share their catalogs, data or want to communicate with clients. The Internet version of BioloMICS allows non-programmers, curators and researchers to publish data on the web within seconds. It’s extremely easy and all the wanted tools are available. The online cart and deposit systems allow internet users to order strains or specimen or to deposit new information.

**Polyphasic classification and identification**

Polyphasic means that a set of records can be compared on the basis of any selection of characters or fields. For example, morphological, physiological, molecular, chemical, ecological or geographical data can be used and differentially weighted during classification or identification processes. Many classification algorithms have been implemented such as UPGMA, Single and Complete Linkage, Multi-Dimensional Scaling, and many more.
Our BioloMICS software offers a solution for any data. We have secured hosting facilities for your databases and websites in our datacenter. We are also developing solutions adapted to your needs.

BioAware offers BioloMICS software and databases hosting services that includes daily backups of your databases. Functions in BioloMICS can be customized to personal needs with the built-in programming or scripting tool. Your data can be shared through the web on a personal website created and managed with BioloMICS.

You don’t have the right hardware infrastructure and skilled human resources to store, manage and safely backup your databases? You want your collaborators and clients to be able to access your data and services from anywhere in the world via remote desktop solution? You want a great website for your collection or to display the results of your research? Our hosting service is the solution you are looking for. Store your database in our datacenter ensuring a secure, fast and reliable access to your data and website.

We have a large team of developers understanding researcher’s needs, language and constraints. They can create new extensions to existing software or develop complete solutions for you. Our developments are mainly directed towards Microsoft Windows platforms using Visual Studio and we are mainly programming in Visual Basic.NET, C#, C++ and ASP.NET. Other operating systems and languages can also be envisaged.

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