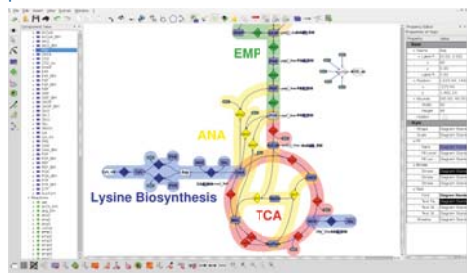


Omix Visualization Examples

Poster 2012

What is Omix?

Omix is a highly customizable editor for biochemical network diagrams, equipped with extensive data visualization features. Simple and fast access to Omix is warranted, even for newcomers. Omix generates high quality vector graphics that are ideal for scientific publication.



Features

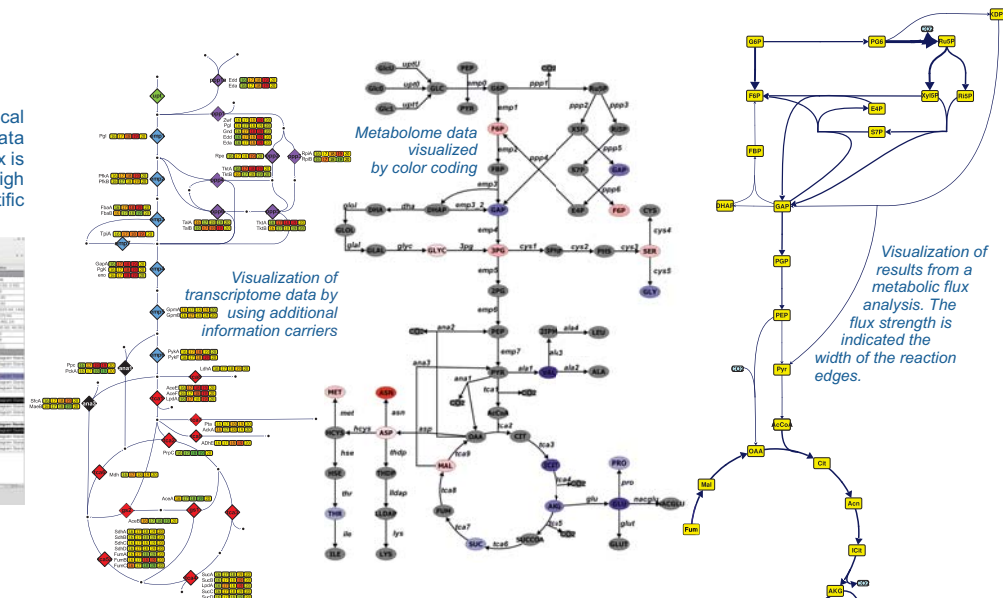
Omix' unique features include (but are not limited to):

- Drawing stylish network diagrams with extensive annotation potential.
- Interactive visualization of data from experiment as well as simulation in metabolic networks.
- Different levels of detail to decrease complexity and flexibly highlight different aspects of the network structure.
- Support of the drawing process by semi-automatic drawing features.
- Export of the drawings into bitmap and vector graphic formats like PNG, JPG and SVG as well as animations (SWF Flash) and movie files (AVI).
- Extensible by plug-ins.
- Import/export of SBML documents.
- Import of network models from KEGG database.
- Import of data from Excel spreadsheets.
- Visualization of chemical structures.
- 3D visualization of data and network topologies.
- Network analysis toolbox: elementary flux modes, network dependencies, flux balances, etc.

Availability

Omix is available for Windows, Linux and Mac OS X. Additionally, user manuals, tutorial courses and many example applications are available.

www.13cflux.net/omix



Programmability

An outstanding feature of Omix is OVL, an object-oriented scripting engine that allows programming of network diagrams. For example, OVL enables the user to define interaction with the network diagram and dynamic modification of the attributes of all graphical elements in a drawing according available data from experiment and simulation. This way, time-dependent numerical data are easily animated in the context of network diagrams.

