

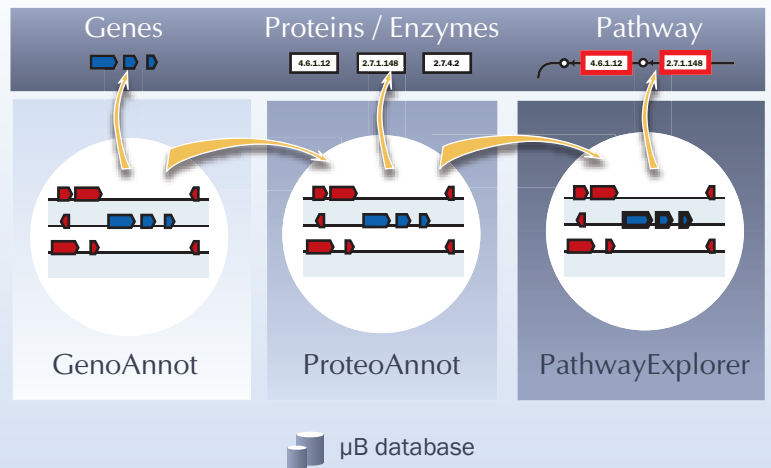
# IOGMA<sup>®</sup> Metabolic Pathway Builder

## Comprehensive, fully integrated *in-silico* analysis and exploration tools

- to **find and annotate** prokaryotic **sequence differences** quickly and accurately
- to automatically **predict protein functions** directly from genes
- to systematically **identify differences between metabolic pathways** and **map genes onto pathways**

### Compare genomes - get better results faster with IOGMA<sup>®</sup> Metabolic Pathway Builder

Analyze, explore, and simulate using *-omics* data, quickly and easily



#### Launch initial automatic annotation

- use **GenoAnnot** to globally mine gene data, predict and confirm CDSs, predict RNA

#### Refine annotations

- use **ProteoAnnot** to globally mine data on proteins and protein functions
- predict protein function and enzyme activity – manually or automatically by sequence similarities OR by sequence motifs

#### Complete functional annotation

- use **PathwayExplorer** to analyze relationships among genes, enzymes, and metabolic pathways

Use **μB** to access genomic, proteomic, biochemical, and metabolic data on more than 450 microbial organisms

#### Want results fast?

- **IOGMA<sup>®</sup> Metabolic Pathway Builder** is ready to run (no extensive customization needed) and needs minimum training to learn

## IOGMA<sup>®</sup> Metabolic Pathway Builder – an intuitive, highly visual tool

- offers a wide range of prokaryotic analysis methods
- provides annotations from current database releases: GenBank, Uniprot/Swiss-Prot, TrEMBL, KEGG, GO, ENZYME, Taxonomy
- allows you to transfer data and results from one IOGMA module to another, pursue your analysis further, return to where you started
- features consistent user interfaces with tables, maps, and “drag-and-drop” functions across all modules

## customized

### IOGMA® Metabolic Pathway Builder Standard Version

GenoAnnot  
ProteoAnnot  
PathwayExplorer  
IOGMA® platform

+ **customized  $\mu$ B** data subsets  
tailored to your specific research needs

OR

## comprehensive

### IOGMA® Metabolic Pathway Builder Professional Version

Standard Version

+ **complete  $\mu$ B**  
data on more than 450 organisms

*A KEGG license is needed to use IOGMA®  $\mu$ B. Genostar can provide one if needed*

## from multiple workstations

### IOGMA® Metabolic Pathway Builder Client-Server Configuration

collaborate on the same research

data and knowledge capture managed on a central server by Oracle™

simultaneous access from different users permitted and controlled by IOGMA®

OR

## just one

### IOGMA® Metabolic Pathway Builder Desktop Configuration

each desktop configuration is standalone

provides an individual workspace and data files for a single user ID

## TRY IT YOURSELF

### IOGMA® Metabolic Pathway Builder **Pilot Program**

Try **IOGMA® Metabolic Pathway Builder** in your lab

Our technical team will help you get the most of your IOGMA® Systems Biology Solution

## Other Genostar Services

**Training** If you want more than the initial training included with IOGMA® Metabolic Pathway Builder, Genostar provides advanced training

**Custom Solutions** Need further customization for your special requirements? Genostar's technical team will work with you to develop a solution unique to your needs

**Contact us for a free demo**