

TOTAL NUMBER OF INTEGRATED DATA SOURCES: 200+

Euretos provides an AI platform used by pre-clinical researchers for in-silico discovery & validation of targets and biomarkers. World leading pharma, biotech and academic institutions use it to accelerate their multi omics research. Based on the latest big data analytics technologies, researchers discover and evaluate how molecular mechanisms influence cell and tissue functions, and in turn mediate phenotypes and disease pathology.



The platform integrates and interconnects three types of data sources:

- **Life Sciences databases** These are sources that life scientists directly consult some of which are widely known such as Pubmed, Uniprot, Chembl and many other biological sources.
- Textual & publication sources These are text based sources such as Pubmed, patent data and clinical records
- Semantic and Ontological Sources These are sources like ontologies, structured vocabularies and thesauri that are often not consulted directly by life scientists but play a crucial role in classifying life sciences data and recognizing individual concepts.

Below is a selection from these sources. A complete list of all semantic, ontological and life sciences sources is available to our customers on request where we provide full disclosure.

Source	Source
АРВ	Australian Phenome Bank
Aracyc	Pathways in Arabidopsis Thaliana
ARC	Animal Resources Centre
Baseline Expression Atlas	RNA expression in healthy tissue
BIND	Molecular interactions
BindingDB	Biochemical interaction data for small molecules and protein targets
Biogrid	Protein-protein interactions and protein- small molecule interactions
Biomodels	Computational models of biological processes
BioPlex	Protein interaction networks
CARD	Centre for Animal Resources and Development
CellLine	Curated cell line overview
Chebi	Vocabulary for chemical entities of biological interest



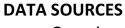
ChEMBL	Compounds, targets and biochemical assays	
Clinical Measurement Ontology		
Clinical Trials	Clinical trials	
Clinvar	Clinical genomic variation	
CMMR	Canadian Mouse Mutant Repository	
Comparative Toxicogenomics Database	Gene - phenotype - chemical interactions	
ConceptWiki	Vocabulary	
CORUM	Protein complexes	
CROP	Genetic annotations and diversity of traits and environmental treatments for plants	
DECIPHER	Clinical phenotypic - genotypic data	
Differential Expression Atlas	Gene expression patterns in different biological conditions	
DIP	Protein interactions	
DisGeNet	Gene - disease associations	
Drugbank	Chemical, pharmacological and pharmaceutical information for approved and experimental drugs and protein therapies	
ЕММА	European Mouse Mutant Archive	
Ensembl Plant Variation (Gramene)	Genetic variation and phenotype association for plants	
Enzyme	Enzyme characterisation	
Experimental Factor ontology	Ontology for variables in biological experiments	
Fantom 5	CAGE expression data in healthy tissue	
Foodb	Database for food and ingredients	
Gene Ontology	Molecular functions, biological processes and cellular components	
GTEx	RNA-seq Expression data in healthy tissue	
GWAS	Curated resource of SNP-trait associations	



HGNC	Nomenclature for human genes	
HPRD	Protein interactions and pathways	
Human Metabolome database	Small molecule metabolites	
Human Phenotype Ontology	Phenotypic abnormalities encountered in human disease	
Human Phenotype Ontology - Pubmed	Datamining results for Phenotype-Disease associations	
Human Protein Atlas	RNAseq and protein abundance measurement in healthy tissues and cancer tissues; Gene classifications	
Human Protein Map	Protein abundance measurements in healthy tissues	
Humancyc	Molecular pathways	
ICD10	Disease classification	
INOH	Manually curated pathway database	
Intact	Molecular interactions	
IntAct Complex	Protein complexes	
International Mouse Strain Resource (IMSR)	Mouse model resources	
JAX	Strain database	
KOMP	Knockout Mouse Project	
MeSH	Vocabulary	
miRTarBase	MicroRNA target interactions	
MMRRC	Mutant Mouse Regional Resource Center	
Monarch	Gene - phenotype associations from model organisms	
Monarch Cross Species Phenotype Ontology	Ontology	
Mouse Genome Informatics	MGI is the international database resource for the laboratory mouse, providing integrated genetic, genomic, and biological data to facilitate the study of human health and disease.	
Mouse Phenotype Ontology	Ontology	



MRC Harwell	Harwell Science and Innovation Campus	
MUGEN	Mugen Mouse Database	
National Cancer Institute	Vocabulary for cancers, agents and related substances	
NCBI gene annotation	Gene information and annotation	
NCBI gene orthologues	Gene orthologues	
NCBI gene sequence	Reference sequences	
NCI PID	Molecular pathways	
NCIMR	National Cancer Institute at Frederick	
Netpath	Manually curated pathway database	
NIG	National Institute of Genetics (Japan)	
ОМІМ	Genetic phenotypes	
Orphanet	Rare diseases and orphan drugs	
Panther	Protein classifications	
Pathway ontology	Classic metabolic, regulatory, signaling, drug and disease pathways	
Phosphosite Plus	Protein post-translational modifications	
Phytozome	Gene orthologs in plants	
Plant environment ontology	Vocabulary of plant environmental conditions and experimental treatments	
Plant ontology	Plant anatomy, morphology and stages of development for all plants	
Pubmed	Scientific literature; abstracts	
RBRC	Riken BioResource Center	
Reactome	Molecular pathways	
Recon X	Human metabolism	
RxNorm	Drugs vocabulary	
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Semantic Medline	Text mining results of Pubmed abstracts	
SGD	Genetic annotations for Saccharomyces cerevisiae	
SMPDB	Small molecule pathway database	
SNOMED CT	Clinical health vocabulary	
String	Protein interactions	
TAC	Taconic Biosciences	
TAIR	Genetic and molecular biology for model organism Arabidopsis Thaliana	
The Cancer Genome Atlas (TCGA)	RNA-seq Expression data in cancer patients	
TIGM	Texas A&M Institute of Genome Medicine	
Trait ontology	Vocabulary of plant traits	
Transfac Public	Gene regulation	
Uberon	Cross species anatomy ontology	
UMLS	Biomedical vocabulary	
Uniprot	Proteomics	
Vertebrate trait ontology		
Wikipathways	Manually curated pathway database	