GMODtalk - InterMine - Trac

InterMine

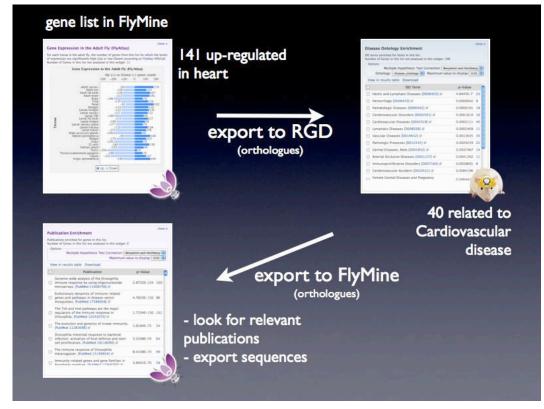
- data integration
- web application for custom queries, template queries, list analysis
- REST query API with Java and Perl clients
- supports many formats for core organisms:
 - o chado, GFF3, FASTA, Ensembl, GO annotation, OBO ontologies
 - o UniProt, interactions (BioGrid, IntAct), BioPax, Reactome
 - o KEGG, InterPro, PDB, TreeFam, PubMed, Ensembl SNPs, custom data

Sites

- FlyMine www.flymine.org
- modENCODE intermine.modencode.org
 - o \$57M project detailed characterisation of fly and worm genomes
- MitoMiner, mitochodria database mitominer.mrc-mbu.cam.ac.uk
- FlyTFMine, *Drosophila* transcription factors www.flytf.org
- BOKU, Vienna
- Tufts Neuroscience, Boston
- NIBIO, Tokyo

Mines for MODs

- Joint project with SGD (yeast), RGD (rat), ZFIN (zebrafish). Each will deploy an InterMine at their site.
- RatMine launched in December
- Interoperability is key
 - o seamless transfer between Mines based on orthologues, pathways, ontologies, protein domains
 - o embedding of results in other Mines
 - o interoperability will be simple for the user, simply clicking on links to move lists between Mines:



Progress:

- RatMine released ratmine.mcw.edu
- ZFIN prototype www.intermine.org/zfin
- SGD prototype www.intermine.org/sgd

New funding

- metabolicMine a human InterMine for metabolic disease research
- InterMine development and support

Coming year

• interoperation of Mines

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- GUI for configuring up InterMine
- new QueryBuilder, experiments with GWT
- InterMine for developers
- GMOD REST API
- new list features, comparison of lists
- better range queries

Attachments

• fm_rat.jpg (80.4 kB) - added by rns on 22/01/10 09:41:06.