Current Work, Future Directions

GMOD Spring Meeting 2013
For those who don't know, is:

- A data integration system
- An optimising data warehouse
- A set of web-services
- A collection of graphical data exploration and analysis tools
- Dedicated to putting bio-informatics tools in the hands of biologists.
For those who don't know, is:

- In use at:

  {InterMOD}

FlyMine
Saccharomyces Genome Database
MG1
ZFIN
The Zebrafish Information Network
RGD
WormBase
In overview:

Data Loaders
In overview:
Easy as one, two, three...

- Write some XML
- Load data
- Release to the world with
  - a graphical data-mining system
  - a fully capable set of web-services
What's new?

- *New!* interactive tables
- *New!* analysis tools
- *New!* documentation site
- *New!* github repos
- *New!* js client library
Driven by web-services

- GET /model
- GET /templates
- POST /query/results
- GET /lists
- GET /list/enrichment
- ...

InterMine
Driven by web-services
Driven by web-services

List Analysis for some genes fbgn (59 Genes)

<table>
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<th>Secondary Identifier</th>
<th>Symbol</th>
<th>DB Identifier</th>
<th>Organism</th>
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Driven by web-services
If we can do it, so can you!

- Client libraries in perl, python, ruby, java, and javascript
- We eat our own dog food
  - web application built on javascript library
  - In house tools in perl and python
- Code generation to get you started
Benefits of building on InterMine
Free (and not just as in beer)
Building the future