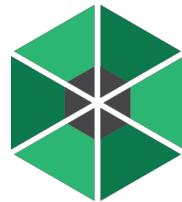




# Bioschemas planning meeting - Mar 2017

[intermine.org](http://intermine.org)

Justin Clark-Casey (@justincc), Software Engineer  
Micklem lab



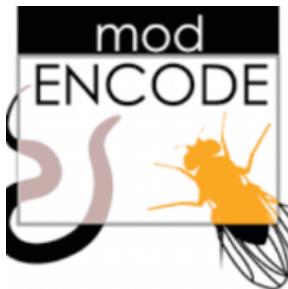
UNIVERSITY OF  
CAMBRIDGE



Cambridge  
15 years  
Open-source, webapp  
Elixir UK node resource

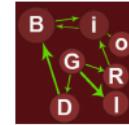


National Human Genome  
Research Institute





**InterPro**  
Protein sequence analysis & classification

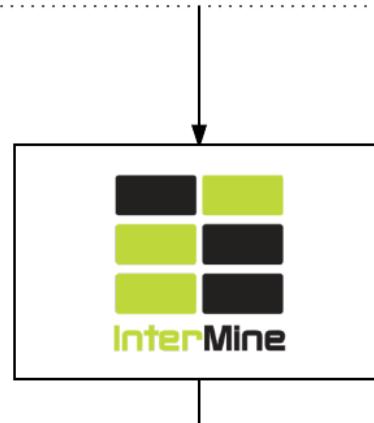


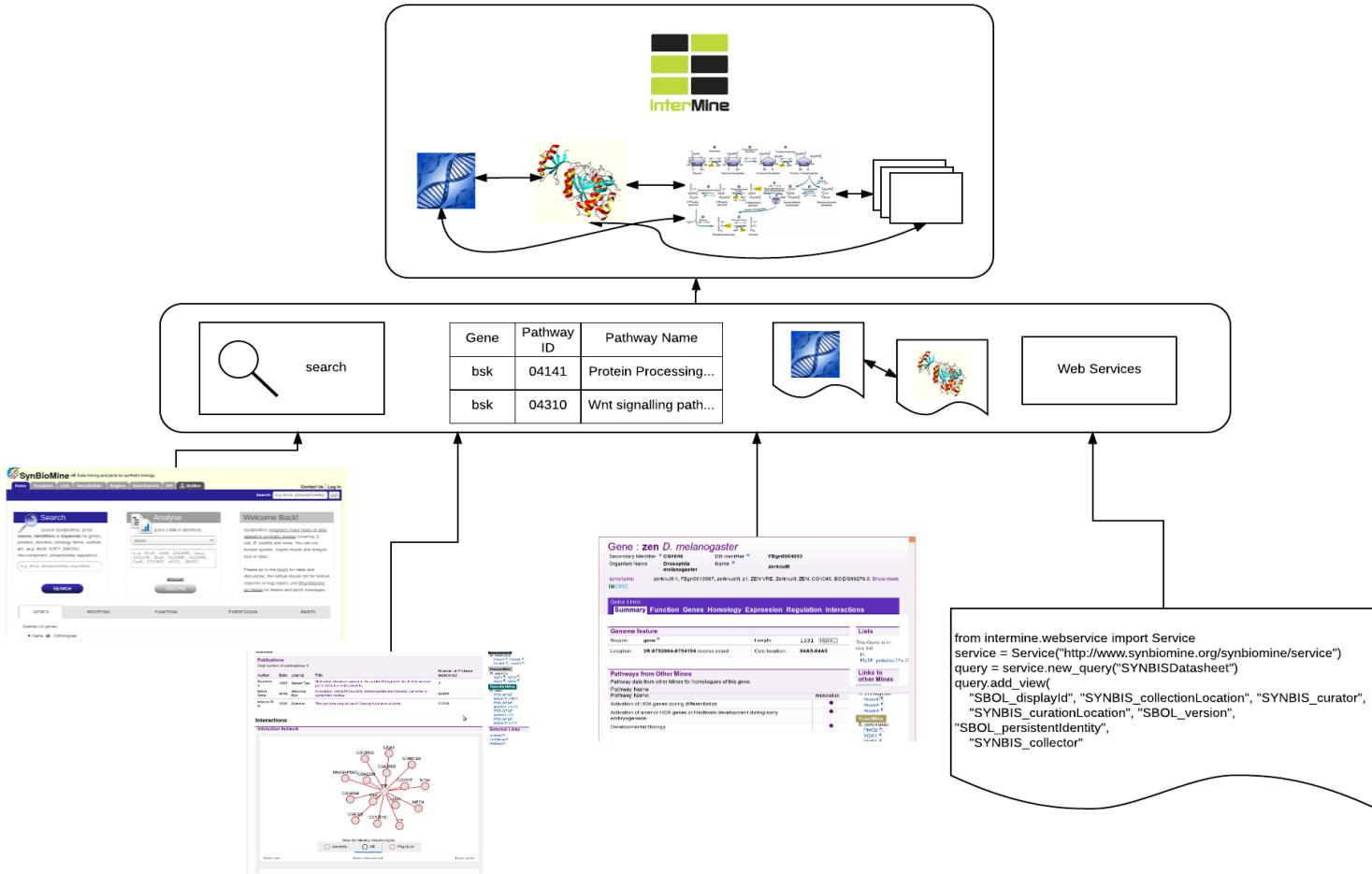
**OrthoDB**



10 years > 41,000,000 sequences from 28,560 organisms

**SynBIS**





# Potential Alignments with Bioschemas

## P1 - Data Repositories

Embed InterMine repository metadata in website frontpage

## P2 - Datasets

Embed in InterMine data sources page

## P3 - Beacons

Integrate Beacon support for biomedical InterMine installations

## P4 - Samples

- Support embedding metadata in sample pages

## P5 - Phenotypes

- Support embedding of metadata in phenotype pages

## P6 - Protein Annotations

Support embedding of metadata in protein pages



## Data

This page lists all data sources loaded along with the date the data was downloaded and related publication. NOTE: All external links open in a new window.

DATA CATEGORY	ORGANISM	DATA	SOURCE	PUB MED	NOTE
<b>Genes</b>	<i>Drosophila</i>	Genome annotation for <i>D. melanogaster</i> (R6.13), <i>D. ananassae</i> (R1.05), <i>D. erecta</i> (R1.05), <i>D. grimshawi</i> (R1.3), <i>D. mojavensis</i> (R1.04), <i>D. persimilis</i> (R1.3), <i>D. pseudoobscura</i> (R3.04), <i>D. sechellia</i> (R1.3), <i>D. simulans</i> (R2.02), <i>D. virilis</i> (R1.06), <i>D. willistoni</i> (R1.05) and <i>D. yakuba</i> (R1.05).	Flybase <a href="#">[1]</a> - Version FB2016_05	Crosby et al - PubMed: <a href="#">17099233</a> <a href="#">[2]</a>	#1
<b>Homology</b>	<i>Drosophila</i>	Orthologues and paralogues between the 12 <i>Drosophila</i> genomes.	Flybase <a href="#">[1]</a> - Version FB2016_05	Crosby et al - PubMed: <a href="#">17099233</a> <a href="#">[2]</a>	
	<i>D. melanogaster</i> <i>D. rerio</i> <i>C. elegans</i> <i>M. musculus</i> <i>R. norvegicus</i> <i>H. sapiens</i> <i>S. cerevisiae</i>	Orthologue and parologue relationships between these organisms	Treefam <a href="#">[1]</a> - release 9.0	Ruan et al - PubMed: <a href="#">18056084</a> <a href="#">[2]</a>	
	<i>D. melanogaster</i> <i>D. rerio</i> <i>C. elegans</i> <i>M. musculus</i> <i>R. norvegicus</i> <i>H. sapiens</i> <i>S. cerevisiae</i>	Orthologue and parologue relationships between these organisms	Panther <a href="#">[1]</a> - version 10.0	Mi et al - PubMed: <a href="#">23193289</a> <a href="#">[2]</a>	
<b>Proteins</b>	<i>Drosophila</i> <i>C. elegans</i> <i>H. sapiens</i> <i>M. musculus</i> <i>R. norvegicus</i> <i>S. cerevisiae</i>	Protein annotation	UniProt <a href="#">[1]</a> - Release 2016_10	UniProt Consortium - PubMed: <a href="#">17142230</a> <a href="#">[2]</a>	
	<i>D. melanogaster</i>	Protein family and domain assignments to proteins	InterPro <a href="#">[1]</a> November 2016	Mulder et al - <a href="#">https://www.ebi.ac.uk/interpro/</a> <a href="#">[2]</a>	