Walkthrough of BioPortal
Future Capabilities

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Introduction

• Prototype presents possible BioPortal capabilities and is meant to garner feedback from end-user communities.
Prototype Features

1. Browse Ontologies & Jambalaya
2. Enhanced Class Details View
3. Ontology P2P Mappings
4. Marginal Notes
5. Ontrez
7. RSS Feed
Browse Ontologies - Snapshot

The diagram shows the BIRNLex ontology in BioPortal. It includes nodes such as "bim_annot:CurationStatus", "bim_annot:BimlexAbbrev", and "bim_annot:BimlexDef". The visualization includes a network diagram with a class labeled "bim_annot:LimboClass" and nodes labeled "Genotype" and "Phenotype". The network also shows relationships such as "is_a".
Jambalaya
### Mappings - Snapshot

**Visualizations**
- oboInOwl:Dbxref
- oboInOwl:Definition
- oboInOwl:ObsoletedClass
- oboInOwl:Subset
- oboInOwl:Synonym
- oboInOwl:SynonymType
- Kupffer's vesicle
- adaxial cell
- anterior axial hypoblast
- ball
- blood
- cardiac ventricle
- epiphysis
- floor plate
- retinal ganglion cell layer
- heart primordium
- hindbrain
- hypochord
- hypothalamus
- intermediate cell mass of mesendoderm
- lens

**Class/Type Details**

**Marginal Notes**

**Mappings**

<table>
<thead>
<tr>
<th>Mapping To</th>
<th>Mapped By</th>
<th>Mapped On</th>
<th>Marginal Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult Mouse Anatomy =&gt; blood</td>
<td>Nick Griffith</td>
<td>10/3/07</td>
<td>View Margin Notes</td>
</tr>
</tbody>
</table>

**Resources**

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**New Mapping**

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**Zebrafish Anatomy**

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Create Mapping - Snapshot
Marginal Notes - Snapshot
Ontrez - Snapshot
BioPortal Ontology Developer Home Page - Snapshot

1. My Ontologies
   - Xenopus anatomy and development
     - 7 new comments added
     - 3 proposals added
   - Sequence types and features
     - 7 new comments added
     - 3 proposals added
   - Pathway ontology
     - 7 new comments added
     - 3 proposals added

2. Subscribed Feeds
   - Comment: Xenopus anatomy and development => Cell
     - "I think the definition for this class would..."
   - Change: Pathway Ontology => Diabetes Pathway Definition
     - "A broad condition with various manifestations that is associated..."
   - Proposal: NCI Thesaurus => Cell:Definition
   - Addition: NCI Thesaurus => Blood

3. Proposals
   - Your proposal for Xenopus anatomy and development => adult is still pending.
   - Your proposal for Xenopus anatomy and development => embryo has been approved.
   - A proposal has been created for Sequence types and features => mutation.
### RSS Feeds – Snapshot

#### BioPortal

1. **Subscribe**

### BIRNLex

<table>
<thead>
<tr>
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#### Mappings

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#### Feed To Subscribe To:

- **Ontology**
- **Branch**
- **Concept**
Next-Steps

• New Architecture work in progress
• Enhanced Prototype – End of February 2008
• BioPortal User Group
• Your feedback is valuable!