

## **BIOPAX Work Group 8/6/03 Conference Call Minutes**

**Participants:** Gary Bader, Michael Cary, Joanne Luciano, Suzanne Paley, Chris Sander, Imran Shah.

### **Overview:**

1. Update on ontology work
  - a. Version 0.5 will be posted on SF site in near future
  - b. Protégé version of BioPAX
    - i. Joanne working on it, generating OWL output
  - c. Examples will be added to the ontology as instances
  - d. TODO list for ontology: OWL proof of concept, XML Schema, examples
  - e. Under heavy moderation, we will discuss ontology issues during future calls
2. Subgroup status reports – any news?
  - a. New State subgroup document submitted to subgroup, awaiting feedback
  - b. Small molecule subgroup
    - i. ChemBank status of metabolites? Gary will email Imran
  - c. Examples subgroup
    - i. Lots of new members from ISMB
3. Next face-to-face meeting: September 19, Denver (tentative)
4. Next conference call: August 20, 2 PM EST

### **Summary:**

The call began with a brief word from Imran, who called in while on vacation. He said that he couldn't participate for the full duration of the call, but wanted to say that he would send an email summary of the BioPAX / CellML / SBML meeting that occurred at ISMB-03 to the pax list, and that we could also discuss it during the next call. He commented that he was very satisfied with the meeting because neither SBML nor CellML are interested in representing the topology of pathways (unlike us), so we are complementary in that respect. He also said that they worked out some examples, and that our format should be fairly compatible with both CellML and SBML.

Joanne briefly mentioned Sylvia Nagle's group to Imran (see minutes from last call), and told him that it looks like we will be able to meet their needs much better than SBML (which they are currently using). They are eager for us to finish BioPAX so that they can use it in their work.

### Update on ontology work

Gary had a very productive phone conversation with Peter a few weeks ago, in which Peter provided feedback to Gary on the ontology. Gary added Peter's comments to the SourceForge bug-tracker, and is working on implementing several of his

recommendations in the ontology. When he is finished, the revised ontology will be available on the SourceForge CVS site.

Gary proposed that when this is done, we should then announce to the biopax-discuss list that BioPAX version 0.5 is ready for review. Members of that list could then post their comments, and we would make revisions as necessary. This proposal was agreed to.

#### Making a protégé version of the ontology, for output to OWL

Joanne is working on creating a Protégé version of the ontology. She has run into a few problems when she has tried to save it in OWL format (the OWL output plug-in is a beta version), but she is working with Alan Rector to sort them out. She will send a draft version to the pax list when it is ready.

#### Adding examples to the ontology

One of Peter's suggestions during his call with Gary was that we should add examples to the ontology in the form of instances, to help illustrate the concepts. This proposal was widely approved of.

#### Ontology ToDo list

Gary proposed that we create a ToDo list for the ontology development. The list would currently consist of the following items:

- 1) Create Protégé version of ontology, output it to OWL
- 2) Create XML schema version of ontology
- 3) Add examples (as instances) to the ontology

Joanne asked that such a ToDo list specify which subgroups, or which individuals, would be responsible for each item.

#### Discuss ontology issues during conference calls?

We have typically refrained from discussing the specific details of the ontology during our conference calls. Gary asked if we should change this policy, as we are nearly finished with ontology development. Mike suggested that we could discuss issues that appeared simple, but complex issues would not likely be resolvable over the phone. Chris and Suzanne agreed, saying that we could attempt to resolve specific ontology issues during our calls, but if the discussion ran too long we should move it to the email list.

#### Subgroups

Gary sent a revised version of the States document to the State subgroup members, he is awaiting their feedback.

Gary mentioned that he would like metabolites to appear in ChEMBL (in CML 2.0 format), so that we would have access to them. He said he would email Imran about it.

Joanne sent an email to the ISMB-03 BOF meeting participants, welcoming them to the Examples subgroup. She mentioned that Kam Dahlquist, from the GenMapp project, told her that she would make several GenMapp pathways, like MAPK and Glycolysis, available to Joanne. Joanne also mentioned that Emek Demir (from the PATIKA group in Turkey) offered to help with some administrative work. She also mentioned that Alan Rector said he was excited about BioPAX because it's a great use case for both Protégé and OWL.

Gary said that there wasn't any news from the XML Schema subgroup, except that when he finishes commenting on slots he will work on the XML Schema.

### Upcoming meetings, calls

We tentatively set the next face-to-face meeting for September 19<sup>th</sup> in Denver. We would like to spend that meeting working to resolve all remaining ontology issues.

We set the next conference call for August 20<sup>th</sup>, at 2 PM EST.

### Miscellaneous

Joanne mentioned that she (and others) had problems accessing documents on the SourceForge CVS site. Gary said he would look into it and attempt to resolve the issue.

Gary asked Suzanne if a facet could be automatically added to multiple slots in GKB (like a slot could be automatically added to multiple classes). Suzanne said she didn't think this was possible.

Peter's group does not plan to add an OWL output feature to GKB in the near future. Suzanne (and Peter, during his call with Gary) said that it would be a better course of action for us to go the GKB → Protégé → OWL route, rather than waiting for direct OWL output in GKB.