

BioPAX Work Group
April 13, 2005 Conference Call Minutes

Participants: Gary Bader, Michael Cary, Ken Fukuda, Geeta Joshi-Tope, Christian Lemer, Joanne Luciano, Elgar Pichler, Jonathan Rees, Frank Schacherer, Andrea Splendiani, Jeremy Zucker

Summary:

1. Development status update
 - a. Level 1 – new version suggested: 1.4
 - i. Some BioCyc data lacks values for DIRECTION slot
 1. Currently mandatory, make it optional?
 2. No one objected, Mike will check with Peter
 - a. Aside: We should discuss dealing with reaction direction in detail in the best practices guide
 - ii. Add ID-VERSION slot to xref
 1. No objections
 2. Split up LSID into separate slots?
 - a. Old recommendation: whole LSID in ID slot, “LSID” in DB slot
 - b. Need to reevaluate this recommendation (offline)
 - i. Get Eric Neumann’s opinion
 3. Aside: Class and slot definitions should be context-independent
 - iii. Gary and Mike will make these changes and release version 1.4 in coming weeks
 - b. Level 2 – Beta version is posted on the website
 - i. Documentation forthcoming
 - ii. DIRECT/INDIRECT issue
 1. Gary will send out document summarizing recent discussions
2. LibBioPAX / conversion status
 - a. WIT
 - i. Mustafa sent updated WIT files
 1. Bug: RDF IDs not compliant
 - a. Illegal characters
 2. Jeremy is working these bugs out with Mustafa
 3. Possible solution: UU encoded ID number (will remove bad characters and produce unique ID)
 - b. KEGG
 - i. aMAZE group has been working on KEGG → BioPAX converter
 1. First version of compound exporter done
 2. Working on reactions
 3. Using UUIDs for RDF IDs
 - ii. BioWarehouse effort
 1. By SRI, part of BioSpice project
 2. KEGG is already loaded into BioWarehouse

3. Jeremy is working on BioWarehouse → BioPAX exporter
 - a. Using Protégé OWL API
 - iii. Manchester effort Joanne
 1. Manchester group interested in instance reasoning
 2. They generate OWL from an Abstract Syntax Format (ASF)
 3. They're looking into translating data from BIND and KEGG into ASF, which could then be turned into BioPAX
 - a. Possibly via XSLTs
 4. Working with Robert Stevens, Danieli Turi, Frank Gibbons, Ian Donaldson
 5. Possible outcome of project: PSI → BioPAX converter
3. Documents, abstracts
 - a. Joanne's DDT paper – accepted for publication, undergoing final revisions
 - b. ISMB SIG abstracts – due April 29th
 - c. BioPAX paper
 - i. Gary made outline
 - ii. Likely need more tools and DB support prior to publication
 - iii. Hackathon would help tool development
4. State subgroup
 - a. Emek sent out documentation summarizing issues
 - b. Using yahoo group: <http://groups.yahoo.com/group/biopax-states>
 - c. Need to organize another conference call
5. BioCyc bug fixes
 - a. Suzanne has been fixing bugs, but new files have not been released yet
6. Wiki
 - a. Gary set up a test wiki on SourceForge
 - i. Used MediaWiki – runs a little slow, is sometimes flaky
 - b. Currently testing it out – feedback welcome
 - i. URL: biopax.sourceforge.net/wiki
 - c. John will post some material there
7. Grants
 - a. DOE II – Possible 3 month extension (~\$20k)
 - i. Need to submit paperwork within ~ 6 weeks
 - b. DOE III
 - i. Depends on us meeting deliverables
 - ii. Peter Karp sent an email to John Houghton
 - c. NIGMS – Possible funding for 2 meetings a year, starting in 2006
 - i. Mike sent out requests for letters of support
 - ii. Typical funding is \$5k for one year, we're asking for \$25k for 3 years
8. Future meetings
 - a. ISMB 2005 in Detroit
 - i. Which day to hold meeting?
 1. Tutorial day: Saturday, June 25
 2. Morning: State subgroup
 3. Afternoon: Everyone
 - ii. Who is attending?

1. Joanne Luciano, Gary Bader, Jeremy Zucker, Mike Cary, Frank Scherrer, Chris Lemer, Ken Fukuda, Jonathan Rees (maybe)
- b. Japan F2F meeting: Oct / Nov 2005
 - i. November 16th – 18th
 - ii. Need to organize a programming committee to select presenters
 - iii. Ken will send announcement to dev mailing list about this to start discussions on how to implement the symposium
 - iv. Gary and Mike will work with Ken to help organize the meeting
- c. Meeting at SRI: February or March 2006