SBOL and its libraries

The present and the future

Turing Ate My Hamster LTD

Imperial College Centre for Synthetic Biology and Innovation (CSynBI)

Newcastle University Center for Synthetic Biology

The Panelists

- Dr. Bryan Bartley (BBN Technologies)

- Dr. Curtis Madsen (Boston University)

- Dr. Chris Myers (University of Utah)

- Dr. Nicholas Roehner (BBN Technologies)

Moderator: Dr. Ernst Oberortner (Berkeley Labs)

Questions for the Participants

- What do you need to represent that is difficult or impossible to represent using SBOL Data or SBOL Visual?
- Which languages are the most critical for library support?
- What challenges have you encountered using our libraries today or earlier?
- What features are missing from our library and software support to make adoption of SBOL easier?
- What do you think of our installation procedures, documentation materials, and examples?
- What other software or software infrastructure are critical for SBOL support?
- Any other questions, comments, or suggestions?

SBOL @ IWBDA

Oral Presentations

Thursday, Aug 2nd, 16:00 - 16:40, Session III: Standards

- Bryan Bartley, Christian Atallah, Alasdair Humphries, Vishwesh Kulkarni, Curtis Madsen, Goksel Misirli, Angel Goni-Moreno, Tramy Nguyen, Ernst Oberortner, Nicholas Roehner, Meher Samineni, Zach Zundel, Jacob Beal, Chris Myers, Herbert Sauro, Anil Wipat. *The Synthetic Biology Open Language Supports Integration of the Engineering Life-Cycle for Synthetic Biologists*

Poster Presentations

Thursday, Aug 2nd, 11:30 - 14:30, Poster Pitches & Session I

- Bryan Bartley, James McLaughlin, Goksel Misirli, Victor de Lorenzo, Anil Wipat and Angel Goni-Moreno. *Coordinating standards: digitalization of the Standard European Vector Architecture with the Synthetic Biology Open Language*
- Nicholas Roehner, Bryan Bartley, Jacob Beal, James McLaughlin, Matthew Pocock, Michael Zhang, Zach Zundel, Chris Myers and Anil Wipat. *Specifying Combinatorial Designs with the Synthetic Biology Open Language*

Friday, Aug 3rd, 12:00 - 14:00, Poster Pitches & Session II

- Xianwei Meng, Ernst Oberortner, Nathan Hillson and Samuel Deutsch. *Tracking the provenance of synthetic biological system construction at the DOE Joint Genome Institute (JGI)*

Stay in touch with us!

SBOL web-site:
www.sbolstandard.org

Contact
sbol-editors@googlegroups.com
http://sbolstandard.org/contact/

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BACKUP

The Present

- Who uses the libraries (academic labs, governmental labs, non-profits, industries)?
- What tools are being developed what functionalities do these tools provide?
- What library (Java, Python, JavaScript, etc) do you use?
- How do you report to the SBOL developers your use of the libraries?
- How do you report bugs? How do you request library features?
- What are the lessons learned so far?

The Future

- Who will be using the libraries (academic labs, governmental labs, non-profits, industries)?
- What tools will / need to be developed? What functionalities will these tools provide?
- What library (Java, Python, JavaScript, etc) will you be using?
- How do you want to report to the SBOL developers your use of the libraries?
- How do you want to report bugs? How do you want to request library features?
- Do you want to develop library features or extensions by yourself? Can you contribute your developed features/extensions to the community?