

Welcome



What is COMBINE?

- The 'COmputational Modeling in Biology' NEtwork (COMBINE) is an initiative to coordinate the development of the various community standards and formats for computational models.
- COMBINE Standards:
 - BioPAX, SBGN, SBML, CellML, SED-ML, and SBOL.
- Associated standardization efforts:
 - COMBINE Archive, identifiers.org, SBO, KISAO, and BioModels.net qualifiers.
- Related standardization efforts:
 - CNO, FieldML, GPML, MAMO, NeuroML, NineML, NuML, pharmML, PSI-MI, SpineML, and Teddy.
- Two meetings held per year to coordinate our efforts:
 - HARMONY and COMBINE Forum.

COMBINE Forum 2015: Organizers

- Local organiser:
 - Chris Myers
- Student volunteers:
 - Tramy Nguyen, Meher Samineni, Leandro Watanabe, Zhen Zhang, Zach Zundel
- COMBINE Coordinators:
 - Gary Bader, University of Toronto, Canada.
 - Martin Golebiewski, Heidelberg Institute for Theoretical Studies, Germany.
 - Michael Hucka, California Institute of Technology, USA.
 - Nicolas Le Novère, Babraham Institute, UK.
 - Chris J. Myers, University of Utah, USA
 - David Nickerson, University of Auckland, New Zealand
 - Falk Schreiber, Monash University, Australia
 - Dagmar Waltemath, University of Rostock, Germany

COMBINE Forum 2015: Registration Numbers

- 66 participants.
- 11 countries represented from 6 continents.
 - 43 United States
 - 10 Germany
 - 4 United Kingdom
 - 2 Russia
 - 1 Australia, Belgium, Brazil, Canada, Japan, New Zealand, South Africa

COMBINE Forum 2015: Funding Support



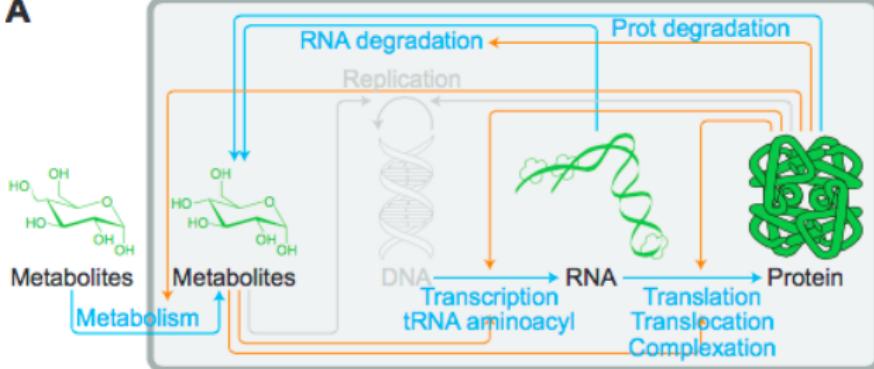
- Thanks to a grant from the National Science Foundation, 38 participants received free registration.
- Thanks to grants from the National Science Foundation and Volkswagen, 30 participants received some form of travel support.

Whole Cell 2 Team

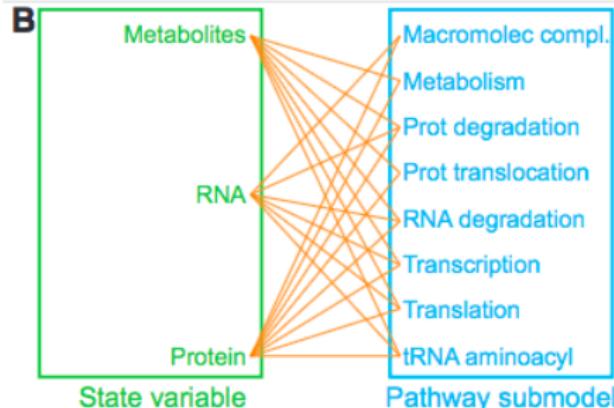


Whole Cell 2: Reduced Model

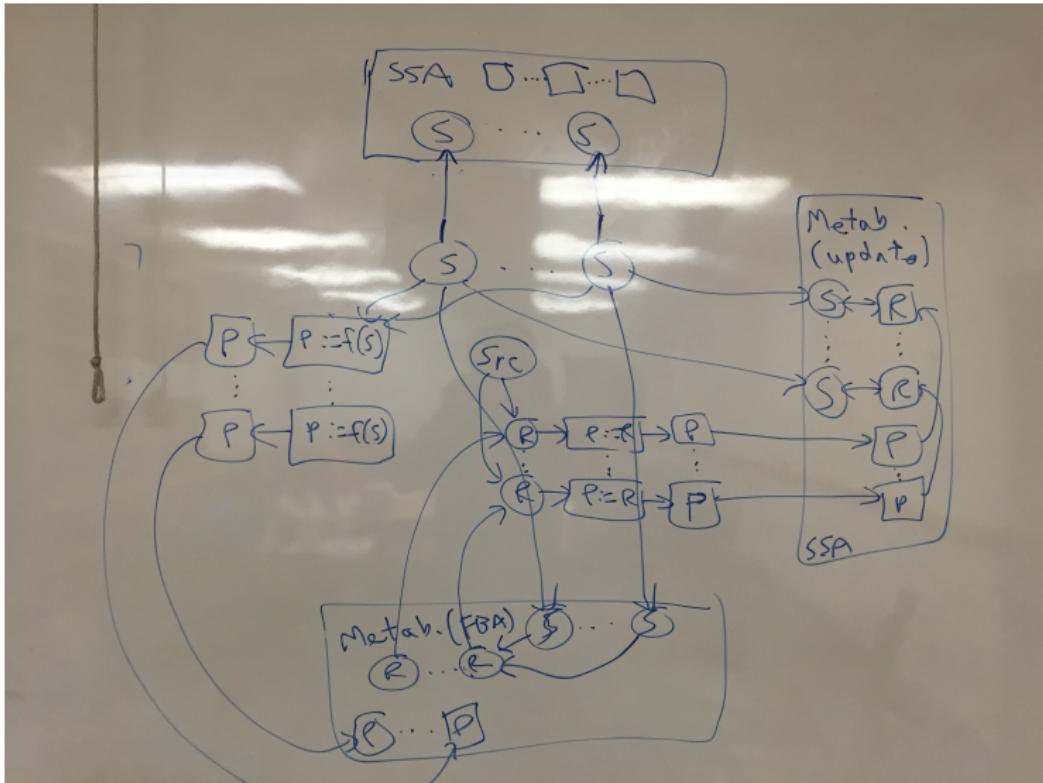
A



B



Whole Cell 2: SBML Model



COMBINE Forum 2015: Symposium

- 8:30am to 10am: Modeling (WEB 1230)
 - Jonathan Karr (Mount Sinai)
 - Fred Adler (Utah)
- 10am to 10:30am: *Break* (Catmull Gallery)
- 10:30am to noon: Visualization (WEB 1230)
 - Huaiyu Mi (USC)
 - Miriah Meyer (Utah)
- noon to 1:30pm: *Lunch* (Catmull Gallery)
- 1:30pm to 3pm: Neuroscience (WEB 1230)
 - Sharon Crook (ASU)
 - Richard Normann (Utah)
- 3pm to 3:30pm: *Break* (Catmull Gallery)
- 3:30pm to 5pm: Synthetic biology (WEB 1230)
 - Anil Wipat (Newcastle)
 - Tara Deans (Utah)

COMBINE Forum 2015: Days 2 to 5

- Mornings
 - 32 contributed talks divided into 8 sessions.
 - After four 15 minute talks, there will be a 30 minute discussion.
 - Time limits will be strict, questions will come during the discussion.
- Breaks/lunches
 - Available in the Catmull Gallery.
 - About 15 posters will be on display during breaks Tuesday to Friday.
 - NOTE: will need to move posters in the evening into a secure room.
- Afternoons
 - SBOL breakouts in the Eccles Boardroom.
 - SBGN breakouts in WEB 1248 (except joint session with SBOL).
 - SBML, SED-ML, and cross-standard breakouts in WEB 1230 (except SBML-Multi in WEB 1450).
 - Quiet hacking (Whole Cell hacking?) in room WEB 1450.
 - Joint community and interoperability discussion on Thursday afternoon.
 - End of each day concludes with joint wrap-up session.

Banquet: Rice-Eccles Stadium Tower Varsity Room



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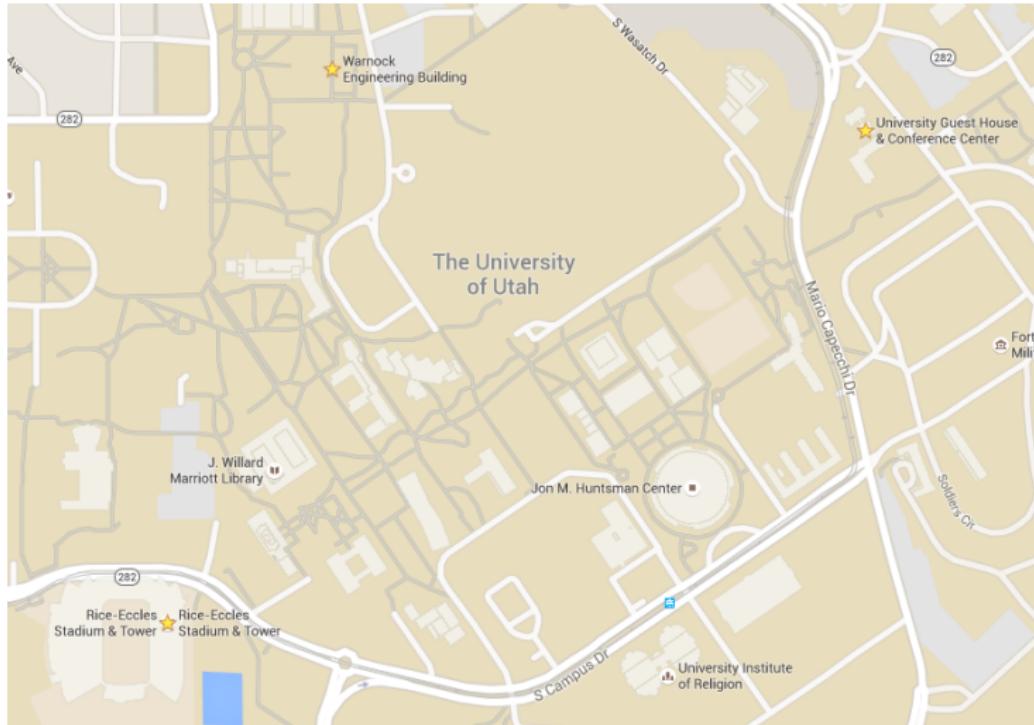


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6:30 - Reception
7:30 - Dinner