

GO Curation Calendar

Jane Lomax

Inspired by Reactome, we hope to create a curation calendar showing which topics the different GO editors are working on, which they plan to be working on, and when. The topics listed on the calendar will be linked to a summary page, which describe the background and progress on that topic. The topic page will have links to join the appropriate interest groups, and relevant SF items. This should make it easier for external and internal people to provide input to GO development, and help us organise our curation time more effectively.

names linked to contact email addresses

How it might look...

GO Curation Calendar

	2005	2006							
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March
Topic									
cell cycle, M phase	Amelia Ireland								
limb morphogenesis			David Hill						
viral/host interactions	Jane Lomax								
gametogenesis			Jennifer Clark						
transport complexes			Midori Harris						
RNA processing			Harold Drabkin						
hematopoiesis		David Hill							
transporters								Jennifer Clark	

Linked to topic summary page

Topic information summary page

the Gene Ontology

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Transporters

Estimated start and end dates:
March 2006 - Nov 2006

Summary

The current Transporter Function Ontology is based on an inappropriate classification system and needs to be rewritten. We are developing an alternative system where the classification is based on the substrate being transported and the mechanism of transport.

Background

The transporter node is rife with mistakes of almost every conceivable nature. The fundamental problem was that the ontology was originally written to parallel Saier's Transporter Classifications, with the idea that the "TC" structure could be treated similarly to the way we treat "EC" structure. Unfortunately, much of Saier's classification scheme doesn't work well for the function ontology. In general, he describes and classifies gene products and complexes, not functions. To make matters worse, he often uses rather baroque language, and most of his terms were added without definitions. As a consequence, there are many duplicate terms in the ontology that were created when folks didn't find the exact wording that they were looking for. In addition, Saier considers phylogeny in his classification scheme, which seems counter to the whole GO approach.

Current proposal

Everything covered here is to do with transport across a membrane.

The kinds of transporters carrying out this transport can be classified using just a small number of criteria.

- 1) active or passive
- 2) substrate transported
- 3) mechanism of transport
- 4) wide pore or narrow pore
- 5) gated or not gated
- 6) symporter, antiporter or uniporter

An explanation of how all this fits together into the proposal presented [here](#).

Tracker items:

- [703326] Transporter Ontology Revamp
- [861079] Multifunctional transporter terms for obsolescence
- [101243] carbohydrate ABC transporter
- [995282] function transporter terms for obsolescence
- [1365150] HAD transporter activity
- [531352] asole transporter
- [106845] new transport/transporter terms
- [1233407] transporter activity def

A short summary of the problems and issues. This is all that is needed to begin the page; other material will be added as topic develops.

Background for the topic, including links to all other relevant material, including the mailing list archive, SF items, webpages, and papers in the text.

A summary of the proposal. Links to the full proposal.

Easy links for people to join the interest group, or to simply make a comment to the interest group. We could also have a link to a Wiki

Interest group

This topic is covered by the **transporters interest group**

[Join the transporter interest group](#)

[Join the transporter interest group mailing list](#)