

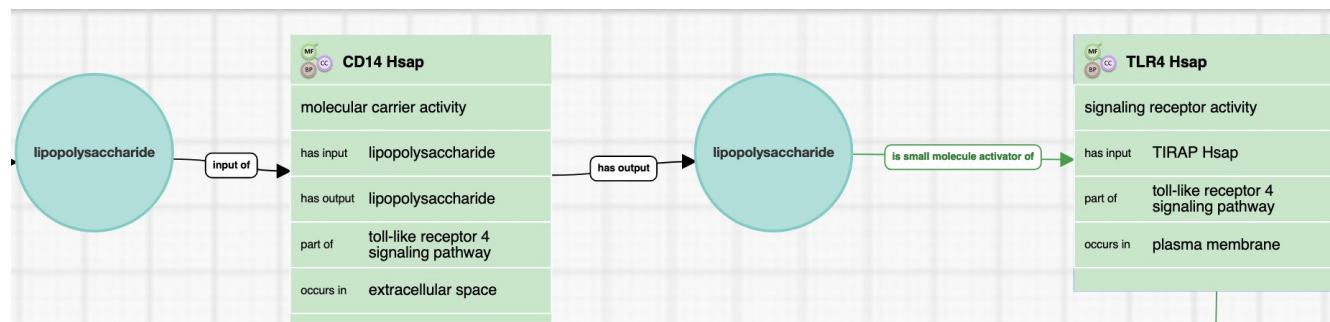
Guidelines for annotating molecular carrier activity

Pathway Editor

The activity unit for a molecular carrier is:

- **MF:** a molecular carrier 'enables' molecular carrier activity ([GO:0140104](#)) or a child
- **Context:**
 - The relation between a transported molecule and its carrier is 'has input'. The carrier and the small molecule are linked with the 'has output' relation, so that the small molecule can be the input for the next reaction.
 - **BP** 'part of' the process in the molecule using the small molecule participates, or 'part of' regulation of the process, if the carrier is regulators (rate-limiting for the execution of the process)
 - **CC:** 'occurs in' the cellular location where the activity takes place.

Example 1: [LPS is carried to its receptor by CD14](#)



Form Editor

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1.1		CD14 Hsap UniProtKB:P08571	Activity Unit	Jun 14, 2023	MF molecular carrier activity	BP toll-like receptor 4 signaling pathway	CC
RELATIONSHIP		TERM	ASP	EXT	EVIDENCE	REFERENCE	
		molecular carrier activity GO:0140104	F				
		CD14 Hsap UniProtKB:P08571			direct assay evidence used in manual assertion ECO:0000314	PMID:1698311	
has input		lipopolysaccharide CHEBI:16412		ext.	direct assay evidence used in manual assertion ECO:0000314	PMID:1698311	
has output		lipopolysaccharide CHEBI:16412		ext.	direct assay evidence used in manual assertion ECO:0000314	PMID:7537731	
part of		toll-like receptor 4 signaling pathway GO:0034142	P		direct assay evidence used in manual assertion ECO:0000314	PMID:27986454	
occurs in		extracellular space GO:0005615	C		direct assay evidence used in manual assertion ECO:0000314	PMID:7537731	

Differences between GO-CAM and standard annotation for a molecular carrier activity

The same information is captured for the carrier activity and its context; however in the standard annotations, it is not possible to capture the order of the reactions.

Review information

Review date: 2023-07-25

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