Chado Publication Module

From GMOD

Contents

Introduction

The Publication module describes references to sources of knowledge. Usually these are published articles but can also include conferences, Web pages, and so on.

Tables

Table: pub

A documented provenance artefact - publications, documents, personal communication.

pub Structure

F-Key	Name	Type	Description
	pub_id	serial	*PRIMARY KEY*
	title	text	Descriptive general heading.
	volumetitle	text	Title of part if one of a series.
	volume	character varying(255)	
	series_name	character varying(255)	Full name of (journal) series.
	issue	character varying(255)	
	pyear	character varying(255)	
	pages	character varying(255)	Page number range[s], e.g. 457--459, viii + 664pp, lv--lvii.
	miniref	character varying(255)	
	uniquename	text	*UNIQUE NOT NULL*
cvterm	type_id	integer	*NOT NULL* The type of the publication (book, journal, poem, graffiti, etc). Uses pub cv. See FBcv (http://www.ebi.ac.uk/ontology-lookup/browse.do?ontName=FBcv) for publication descriptor, or FBcv.obo (http://obo.cvs.sourceforge.net/obo/obo/ontology/vocabularies/flybase_controlled_vocabulary.obo)
	is_obsolete	boolean	*DEFAULT false*
	publisher	character varying(255)	
	pubplace	character varying(255)	

Tables referencing this one via Foreign Key Constraints:

- expression_pub

- feature_cvterm

- feature_cvterm_pub

- feature_expression

- feature_pub

- feature_relationship_pub

- feature_relationshipprop_pub

- feature_synonym

- featureloc_pub

- featuremap_pub

- featureprop_pub

- library_cvterm

- library_pub

- library_synonym

- phendesc

- phenotype_comparison

- phenstatement

- phylonode_pub

- phylotree_pub

- protocol

- pub_dbxref

- pub_relationship

- pubauthor

- pubprop

- stock_cvterm

- stock_pub

- stock_relationship_pub

- stockprop_pub

- study

- wwwuser_pub

Table: pub_dbxref

Handle links to repositories, e.g. Pubmed, Biosis, zoorec, OCLC, Medline, ISSN, coden...

pub_dbxref Structure

F-Key	Name	Type	Description
	pub_dbxref_id	serial	*PRIMARY KEY*
pub	pub_id	integer	*UNIQUE#1 NOT NULL*
dbxref	dbxref_id	integer	*UNIQUE#1 NOT NULL*
	is_current	boolean	*NOT NULL DEFAULT true*

Table: pub_relationship

Handle relationships between publications, e.g. when one publication makes others obsolete, when one publication contains errata with respect to other publication(s), or when one publication also appears in another pub.

pub_relationship Structure

F-Key	Name	Type	Description
	pub_relationship_id	serial	*PRIMARY KEY*
pub	subject_id	integer	*UNIQUE#1 NOT NULL*
pub	object_id	integer	*UNIQUE#1 NOT NULL*
cvterm	type_id	integer	*UNIQUE#1 NOT NULL*

Table: pubauthor

An author for a publication. Note the denormalisation (hence lack of _ in table name) - this is deliberate as it is in general too hard to assign IDs to authors.

pubauthor Structure

F-Key	Name	Type	Description
	pubauthor_id	serial	*PRIMARY KEY*
pub	pub_id	integer	*UNIQUE#1 NOT NULL*
	rank	integer	*UNIQUE#1 NOT NULL* Order of author in author list for this pub - order is important.
	editor	boolean	*DEFAULT false* Indicates whether the author is an editor for linked publication. Note: this is a boolean field but does not follow the normal chado convention for naming booleans.
	surname	character varying(100)	*NOT NULL*
	givennames	character varying(100)	First name, initials
	suffix	character varying(100)	Jr., Sr., etc

Table: pubprop

Property-value pairs for a pub. Follows standard chado pattern.

pubprop Structure

F-Key	Name	Type	Description
	pubprop_id	serial	*PRIMARY KEY*
pub	pub_id	integer	*UNIQUE#1 NOT NULL*
cvterm	type_id	integer	*UNIQUE#1 NOT NULL*

	value	text	NOT NULL
	rank	integer	UNIQUE#1

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