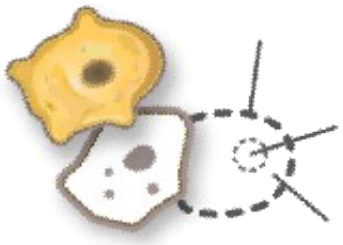
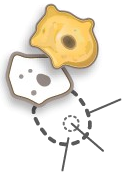
Ontology Summit 2013

Trish Whetzel

Outreach Coordinator

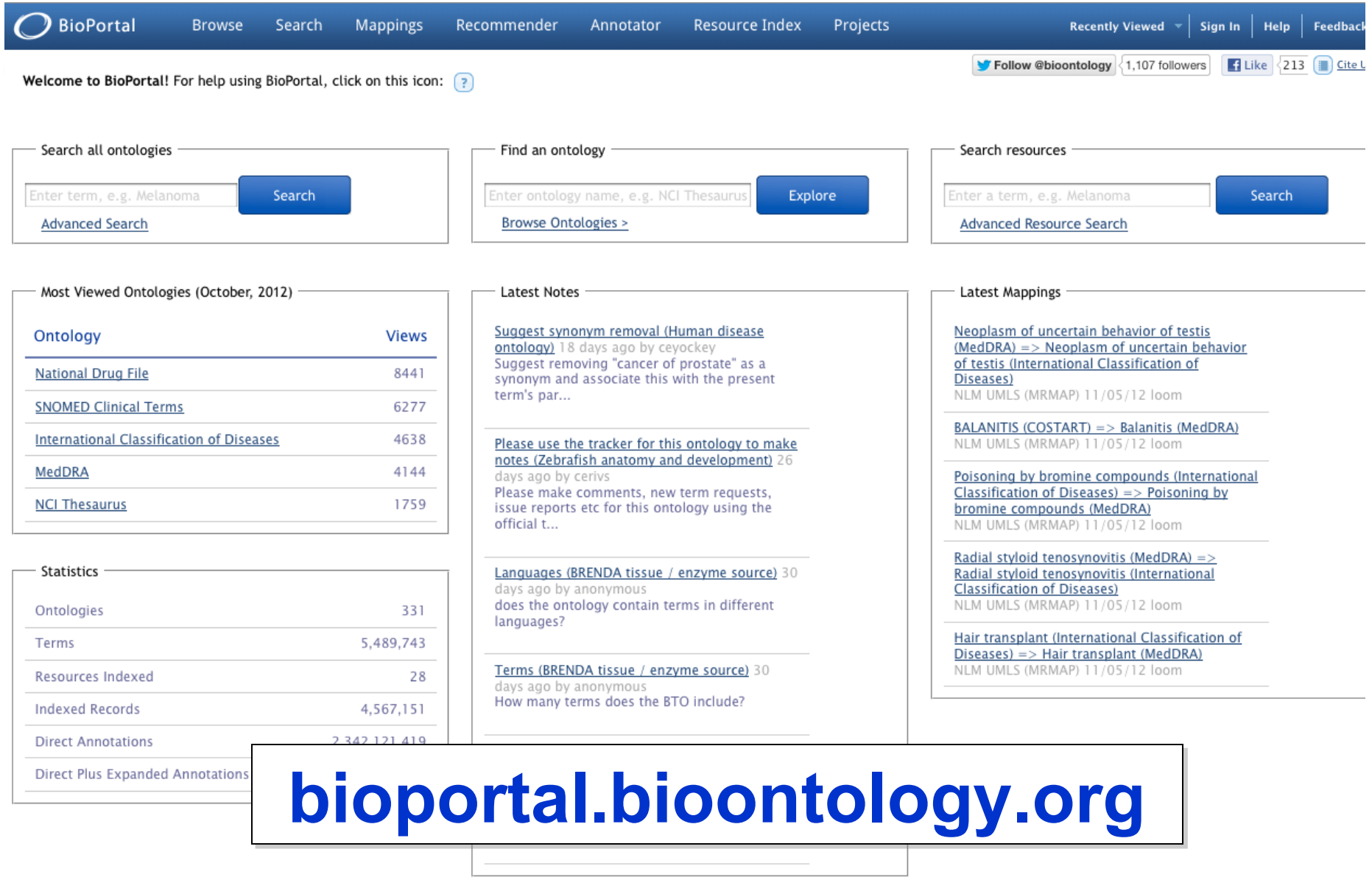


THE NATIONAL CENTER FOR
BIOMEDICAL ONTOLOGY



NCBO Key Activities

- We ***create and maintain a library*** of biomedical ontologies
- We ***build tools and Web services*** to enable the use of ontologies
- We ***collaborate with scientific communities*** that develop and use ontologies


BioPortal
Browse
Search
Mappings
Recommender
Annotator
Resource Index
Projects
Recently Viewed
Sign In
Help
Feedback
Follow @bioontology
1,107 followers
Like
213
Cite
Welcome to BioPortal! For help using BioPortal, click on this icon:
Search all ontologies
Enter term, e.g. Melanoma
Search
Advanced Search
Find an ontology
Enter ontology name, e.g. NCI Thesaurus
Explore
Browse Ontologies >
Search resources
Enter a term, e.g. Melanoma
Search
Advanced Resource Search
Most Viewed Ontologies (October, 2012)
Ontology
Views
National Drug File 8441
SNOMED Clinical Terms 6277
International Classification of Diseases 4638
MedDRA 4144
NCI Thesaurus 1759
Latest Notes
Suggest synonym removal (Human disease ontology) 18 days ago by ceyockey
Suggest removing "cancer of prostate" as a synonym and associate this with the present term's par...
Please use the tracker for this ontology to make notes (Zebrafish anatomy and development) 26 days ago by cerivs
Please make comments, new term requests, issue reports etc for this ontology using the official t...
Languages (BRENDA tissue / enzyme source) 30 days ago by anonymous
does the ontology contain terms in different languages?
Terms (BRENDA tissue / enzyme source) 30 days ago by anonymous
How many terms does the BTO include?
Latest Mappings
Neoplasm of uncertain behavior of testis (MedDRA) => Neoplasm of uncertain behavior of testis (International Classification of Diseases)
NLM UMLS (MRMAP) 11/05/12 loom
BALANITIS (COSTART) => Balanitis (MedDRA)
NLM UMLS (MRMAP) 11/05/12 loom
Poisoning by bromine compounds (International Classification of Diseases) => Poisoning by bromine compounds (MedDRA)
NLM UMLS (MRMAP) 11/05/12 loom
Radial styloid tenosynovitis (MedDRA) => Radial styloid tenosynovitis (International Classification of Diseases)
NLM UMLS (MRMAP) 11/05/12 loom
Hair transplant (International Classification of Diseases) => Hair transplant (MedDRA)
NLM UMLS (MRMAP) 11/05/12 loom
Statistics
Ontologies 331
Terms 5,489,743
Resources Indexed 28
Indexed Records 4,567,151
Direct Annotations 2,342,121,419
Direct Plus Expanded Annotations
bioportal.bioontology.org
The National Center for Biomedical Ontology is one of the National Centers for Biomedical Computing supported by the NHGRI, the NHLBI, and the NIH Common Fund under grant U54-HG004028.
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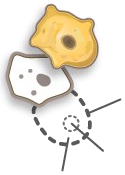
NCBO Website Release Notes Terms of Use Privacy Policy How to Cite



BioPortal

- Repository of biomedical ontologies
- Infrastructure is domain independent
- Stores ontologies developed in OWL, Protégé frames, OBO format, and Rich Release Format
- Access to ontologies via Web interface, Web services, and SPARQL (beta)
- Access control for private ontologies
- Supports subsets/views of ontologies

Browse

Browse the library of ontologies

New: Configure which ontologies you see in BioPortal

FILTER BY CATEGORY: All Categories

FILTER BY GROUP: All Groups

FILTER BY TEXT:

Submit New Ontology

Subscribe to all updat

ONTOLOGY NAME	VISIBILITY	TERMS	NOTES	REVIEWS	PROJECTS	UPLOADED	CONTACT
African Traditional Medicine (ATMO)	Public	223	2	2	4	06/28/2009	Ghislain Atemezing
Bioinformatics operations, types of data, data formats, and topics (EDAM)	Public	2,746	0	2	7	12/14/2012	Jon Ison
Common Terminology Criteria for Adverse Events (CTCAE)	Public	3,874	4	2	2	08/04/2011	CTCAE Help
Basic Formal Ontology (BFO)	Public	39	0	1	22	07/24/2009	Holger Stenzhorn
Biomedical Resource Ontology (BRO)	Public	486	73	1	8	08/31/2010	Trish Whetzel, Csongor Nyulas, Natasha Noy
Chemical entities of biological interest (CHEBI)	Public	38,551	2	1	13	01/09/2013	Chebi Administrators
Foundational Model of Anatomy (FMA)	Public	83,281	0	1	15	09/14/2010	Onard Mejino
Gene Ontology (GO)	Public	38,842	0	1	52	01/15/2013	Gene Ontology
Gene Regulation Ontology (BOOTStrep)	Public	508	0	1	7	01/09/2011	Vivian Lee
Hewan Invertebrata (invertebrata)	Public	557	0	1	3	08/22/2011	vasko edo gultom
International Classification of Diseases (ICD9CM)	Public	22,400	0	1	6	04/06/2012	Patricia Brooks
Kinetic Simulation Algorithm Ontology (KiSAO)	Public	229	0	1	3	12/07/2012	BioModels.net team
Medical Subject Headings (MeSH) (MSH)	Public	229,698	0	1	10	02/02/2012	Stuart Nelson, M.D.
NCBI organismal classification (NCBITaxon)	Public	847,760	0	1	15	07/11/2012	NCBI information
NCI Thesaurus (NCIt)	Public	93,411	13	1	16	06/08/2012	NCICB Support
Ontology for Biomedical Investigations (OBI)	Public	3,689	4	1	25	07/16/2012	OBI Consortium
Ontology of Glucose Metabolism Disorder (OGMD)	Public	132	0	1	4	04/12/2011	Yu Lin
Protein Ontology (pro-ont)	Public	42	0	1	4	05/18/2009	Dr. Amandeep S. Sidhu
SNOMED Clinical Terms (SNOMEDCT)	Public	395,036	2	1	12	02/13/2012	Vivian A. Auld
Units of measurement (UO)	Public	313	0	1	8	08/30/2012	George Gkoutos
ABA Adult Mouse Brain (ABA)	Public	913	0	0	6	08/08/2009	Allen Institute for Brain Science
Adverse Event Reporting ontology (AERO)	Public	388	1	0	3	12/18/2012	Melanie Courtot

Ontology Reviews

NCI Thesaurus

Summary

Details

ONTOLOGY ID:	1032
BIOPORTAL PURL:	http://purl.bioontology.org/ontology/NCIt
STATUS:	Production
FORMAT:	OWL
CATEGORIES:	
GROUPS:	Unified Medical Language System Cancer Biomedical Informatics Grid
CONTACT:	NCICB Support, ncicb@pop.nci.nih.gov
HOME PAGE:	http://ncicb.nci.nih.gov/core/EVS
PUBLICATIONS PAGE:	
DOCUMENTATION PAGE:	http://nciterms.nci.nih.gov
DESCRIPTION:	A vocabulary for clinical care, translational and basic research, and public information and administrative activities.
LICENSE INFORMATION	The version of the NCI Thesaurus (NCIt) available in BioPortal has been modified by reformatting some property values so that they can be more easily browsed (replacing or removing embedded XML). The original, unmodified NCIt, as well as NCIt license information, is available at http://ncit.nci.nih.gov.

Reviews

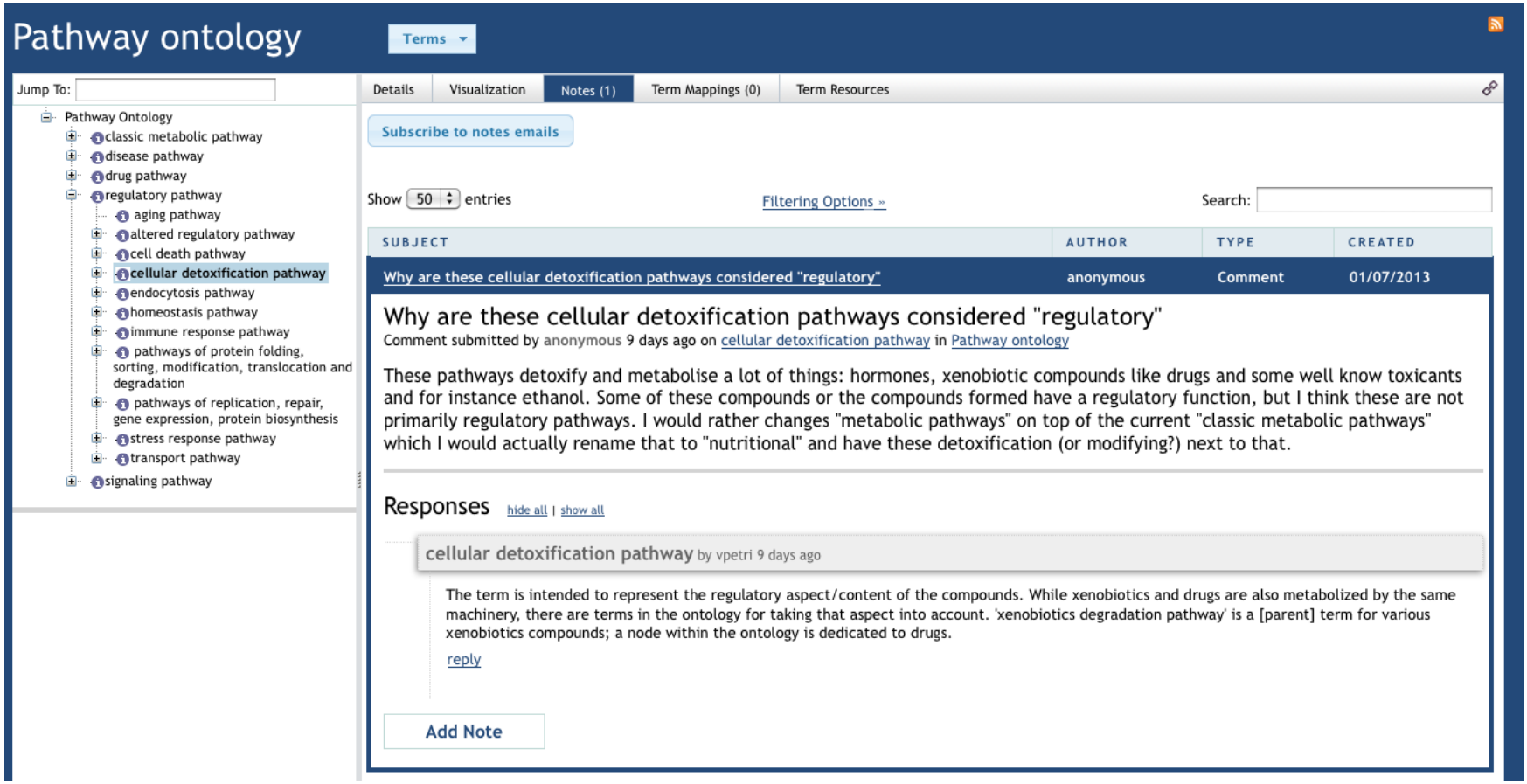
Add your review

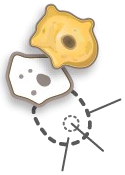
REVIEW BY DECORONS ON 02/07/2011

Usability	4
Domain Coverage	4
Correctness	4
Quality Of Content	4
Degree Of Formality	4
Documentation And Support	4

Good coverage for cancer research domains and moderate coverage for more general health care research. Especially good cancer related drug coverage, and chemotherapy regimen coverage. Includes number of standards used by the community, including CDISC, UCUM, FDA standard product labeling terminology, and others. Quality in many areas high. OWL DL, but degree of formality varies by area of the terminology. Available through easy to use browsers, API and multiple download formats.

Notes


Pathway ontology
Terms
Jump To:
Pathway Ontology
classic metabolic pathway
disease pathway
drug pathway
regulatory pathway
aging pathway
altered regulatory pathway
cell death pathway
cellular detoxification pathway
endocytosis pathway
homeostasis pathway
immune response pathway
pathways of protein folding, sorting, modification, translocation and degradation
pathways of replication, repair, gene expression, protein biosynthesis
stress response pathway
transport pathway
signaling pathway
Details
Visualization
Notes (1)
Term Mappings (0)
Term Resources
Subscribe to notes emails
Show 50 entries
Filtering Options »
Search:
SUBJECT
AUTHOR
TYPE
CREATED
Why are these cellular detoxification pathways considered "regulatory"
anonymous
Comment
01/07/2013
Why are these cellular detoxification pathways considered "regulatory"
Comment submitted by anonymous 9 days ago on cellular detoxification pathway in Pathway ontology
These pathways detoxify and metabolise a lot of things: hormones, xenobiotic compounds like drugs and some well know toxicants and for instance ethanol. Some of these compounds or the compounds formed have a regulatory function, but I think these are not primarily regulatory pathways. I would rather changes "metabolic pathways" on top of the current "classic metabolic pathways" which I would actually rename that to "nutritional" and have these detoxification (or modifying?) next to that.
Responses
hide all | show all
cellular detoxification pathway by vpetri 9 days ago
The term is intended to represent the regulatory aspect/content of the compounds. While xenobiotics and drugs are also metabolized by the same machinery, there are terms in the ontology for taking that aspect into account. 'xenobiotics degradation pathway' is a [parent] term for various xenobiotics compounds; a node within the ontology is dedicated to drugs.
reply
Add Note



Ontology Summit Expectations

- Use the Summit communique as a foundation for ontology evaluation criteria to implement and disseminate through BioPortal
- Enable users to better select ontologies for their specific project based on this criteria