



SUBMIT ONTOLOGY

[Submit New Ontology](#)

FILTER BY CATEGORY

All Categories

FILTER BY GROUP

All Groups

[Link To This Filter](#)

FILTER BY TEXT

ONTOLOGY NAME	FORMAT	VERSION	AUTHOR	UPLOADED ON	STATUS
African Traditional Medicine (ATMO) Subscribe	OBOF	1.0.1	Ghislain Atemezing	04/15/2008	Explore
Amino Acid (amino-acid) Subscribe	OWL	1.2		01/16/2007	Explore
Amino acid with simplified chinese annotations Subscribe	OWL	.01		02/16/2009	Explore
Amphibian gross anatomy (AAO) Subscribe	OBOF	1.8	AmphiAnat list	01/13/2009	Explore
Animal natural history and life history (ADW) Subscribe	PROTEGE	See Remote Site	Http://animaldiversity Administrators	02/18/2009	
Basic Vertebrate Anatomy	OWL	1.1		01/16/2007	Explore

LATEST NOTES

[New term african traditional medicine \(African Traditional Medicine\)](#) 01/20/09 whetzel
new term.....

[need to create mappings Gene \(NCI Thesaurus\)](#) 01/12/09 natasha
There are many other Gene classes

[need to create new mappings Gene \(NCI Thesaurus\)](#) 01/12/09 natasha
There are plenty of Gene classes

[need the OMV prefix OntologyType \(BioPortal Metadata\)](#) 01/08/09 natasha
not clear that it is from OMV

[PATO_0000261 \(BIRNLex\)](#) 11/03/08 whetzel
Suggest to add rdfs:label to this term so that the human readable label is available for display....

LATEST MAPPINGS

[Melanoma \(NCI Thesaurus\) => Melanoma \(human phenotype ontology\)](#) 02/12/09 natasha

[Melanoma \(human phenotype ontology\) => Melanoma \(NCI Thesaurus\)](#)

Biomedical Resource Ontology Explore BRO:Software (Get a direct link to this concept in BioPortal)

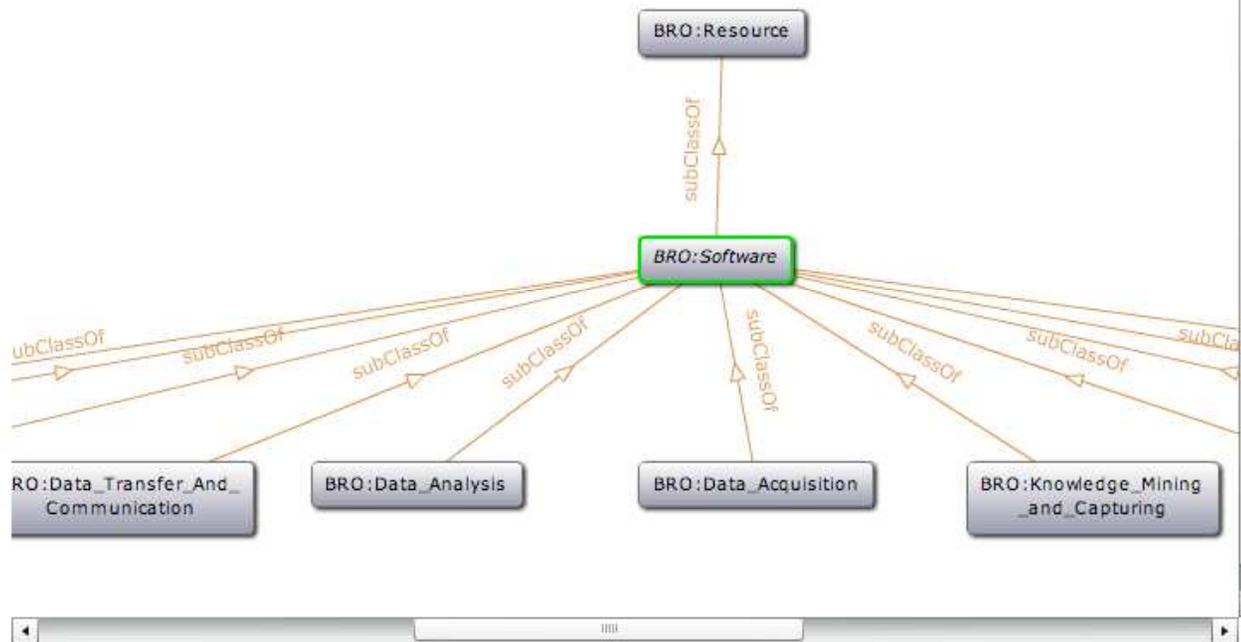
View Ontology Metadata

- BRO:Resource
- + BRO:Data_Resource
- + BRO:Computational_Service
- + BRO:Provenance_And_Intellectual_Property
- + BRO:Research_Supplies_and_Services
- + BRO:Software
- + desc:Biositemaps_Information_Model
- + desc:Staging_Area

Details Visualization Notes Mappings Resources

Show Network Neighborhood

Full Version



Biomedical Resource Ontology Explore **BRO:Software** (Get a direct link to this concept in BioPortal)

View Ontology Metadata

- BRO:Resource
 - BRO:Data_Resource
 - BRO:Computational_Service
 - BRO:Provenance_And_Intellectual_Property
 - BRO:Research_Supplies_and_Services
 - BRO:Software
 - BRO:Algorithm
 - BRO:Knowledge_Mining_and_Capture
 - BRO:Modeling_and_Simulation
 - BRO:Data_Transfer_And_Communication
 - BRO:Integration_and_Interoperability
 - BRO:Data_Acquisition
 - BRO:Data_Processing
 - BRO:Data_Storage
 - BRO:Data_Analysis
 - BRO:Software_Distribution
 - BRO:Interactive_Tools
- desc:Staging_Area
- desc:Biositemaps_Information_Model

 Details Visualization **Notes** Mappings Resources

Comment: Software needs structure, too many top level subclasses DavidStates at 08/09/08 06:56

"binary executable" is not a top level subclass of software, it is a form of software distribution and there are several other subclasses of software distribution (source code, web site, library, toolkit, etc.).

Similarly, "network editor" is just one class of interactive editing tools. Lots of others.

These are just a couple of examples. Software really needs a complete reorganization.

[Reply](#)

Comment: RE:Software needs structure, too many top level subclasses PeterLyster at 08/12/08 08:29

The BRO used the initial design principle of: when in doubt make it flat at the top. This is a design principle whose purpose is to get the class names 'on the board and agreed upon' first, i.e., it is a componentization of the design process. This is a way of avoiding getting into debates about hierarchical location too early in the process. We can discuss location in the hierarchy in the future; that is appropriate.

[Reply](#)

Comment: RE:Software needs structure, too many top level subclasses PeterLyster at 08/12/08 08:43

I (Peter Lyster) copy marginal notes that I also place in the 'Portals' class. I think this helps to explain the design principles.

We adopted the design principle of (i) initially align the BRO top level with NIFSTD (**Data Resource; Bibliographic Resource; Software; Research Supplies; Portals; Funding Source**) (see agreement that was made in broad tcon of 20080416 http://na-mic.org/Wiki/index.php/SDIWG:Meeting_Minutes_20080416). As with the discussion on 'Software' class, the goal was to get a reasonable first cut and then stabilize the BRO development process; then the development team (called 'tiger team' after the April tcon) agreement (interdigitate etc) on the overall list of class names (this was successfully done by Rubin, Martone, and Lyster between July 28 and August 1 2008). This process was highly successful, and validated the logic behind taking one step at a time; (ii) continue to work with NIFSTD and other stakeholders to plan current and future efficient and effective mappings. It is good to revisit in the future the position of upper-level classes such as 'portals' or 'funding source'.

Upcoming BioPortal Features

- Version comparison: Ability to download a *diff* between two successive versions
- Ontology views: Ability to list, explore, and download subsets of BioPortal ontologies
- myBioPortal: Customized views of BioPortal
- Ontology evaluation: Quality metrics of ontology content as part of ontology metadata
- Cognitive support: Visualization of connected ontologies, ontologies with terms mapped to one another, etc.
- Ontology mappings:
 - Support for different types of mappings
 - Ability to invoke an automatic matching algorithm
- Ratings and reviews: Web of trust, use of reviews to rate ontology content

NCBO-OOR Developer Collaboration

- Stage 1 – Start Simple - Initial Development
 - NCBO GForge branch (before April 2009, read access from GForge Trunk)
 - Limited access by Michael Gruninger’s graduate students in April
- Stage 2 – Ramp-Up Collaboration
 - Mike Dean and Benjamin Dai to establish Open Source Collaboration policy (e.g., commit rights, trusted developers, external developers)
 - Continued use of NCBO GForge Site

NCBO-OOR Documentation

- NCBO-OOR Developer Documentation – Initial draft from Benjamin Dai
 - http://www.bioontology.org/wiki/index.php/NCBO-OOR_Development
- NCBO-OOR UML Diagrams
 - To be generated by Todd Schneider
- NCBO-OOR Developer Communications
 - To be developed by Mike Dean, Michael Gruninger, Peter Yim, and Benjamin Dai



SUBMIT ONTOLOGY

[Submit New Ontology](#)

FILTER BY CATEGORY

All Categories

FILTER BY GROUP

All Groups

[Link To This Filter](#)

FILTER BY TEXT

ONTOLOGY NAME	FORMAT	VERSION	AUTHOR	UPLOADED ON	STATUS
African Traditional Medicine (ATMO) Subscribe	OBOF	1.0.1	Ghislain Atemezing	04/15/2008	Explore
Amino Acid (amino-acid) Subscribe	OWL	1.2		01/16/2007	Explore
Amino acid with simplified chinese annotations Subscribe	OWL	.01		02/16/2009	Explore
Amphibian gross anatomy (AAO) Subscribe	OBOF	1.8	AmphiAnat list	01/13/2009	Explore
Animal natural history and life history (ADW) Subscribe	PROTEGE	See Remote Site	Http://animaldiversity Administrators	02/18/2009	
Basic Vertebrate Anatomy	OWL	1.1		01/16/2007	Explore

LATEST NOTES

New term

[african traditional medicine \(African Traditional Medicine\)](#) 01/20/09 whetzel
new term.....

[need to create mappings](#)

[Gene \(NCI Thesaurus\)](#) 01/12/09 natasha
There are many other Gene classes

[need to create new mappings](#)

[Gene \(NCI Thesaurus\)](#) 01/12/09 natasha
There are plenty of Gene classes

[need the OMV prefix](#)

[OntologyType \(BioPortal Metadata\)](#) 01/08/09 natasha
not clear that it is from OMV

[PATO_0000261 \(BIRNLex\)](#) 11/03/08 whetzel

Suggest to add rdfs:label to this term so that the human readable label is available for display....

LATEST MAPPINGS

[Melanoma \(NCI Thesaurus\)](#) => [Melanoma \(human phenotype ontology\)](#)
02/12/09 natasha

[Melanoma \(human phenotype ontology\)](#) =>