

Web services provided centrally

Ontology Information Web Services

These web services provide REST access to the EIModel API, a simple programmatic interface around the eagle-i ontology, see: <http://search.eagle-i.net/javadoc/org/eaglei/model/package-summary.html>. They are packaged in the `model.war` web application and deployed centrally at <http://search.eagle-i.net/model>

The results are always returned as JSON, generated with GSON from the `EIClass` Java class (or Lists thereof), see: <http://search.eagle-i.net/javadoc/org/eaglei/model/EIClass.html>

Information about one ontology class - `/model/api/ontology/class`

This call returns details of a given ontology type.

URL: `/model/api/ontology/class` (GET)

Args:

`uri`-- URI of the ontology type for which information is sought

Example:

Get details about the class Tissue Microarrayer:

http://search.eagle-i.net/model/api/ontology/class?uri=http://purl.obolibrary.org/obo/ERO_0000512

List subclasses - `/model/api/ontology/subclasses`

<http://search.eagle-i.net/javadoc/org/eaglei/model/EIClass.html>

This call returns subclasses of a given ontology type.

URL: `/model/api/ontology/subclasses` (GET and POST)

Args:

`uri`-- URI of the ontology type for which subclasses are sought.

`deep`-- if present, this argument instructs that a recursive listing of subclasses be performed. If absent, only direct subclasses are returned.

Example:

Get direct subclasses of the Instrument class:

http://search.eagle-i.net/model/api/ontology/subclasses?uri=http://purl.obolibrary.org/obo/ERO_0000004

List superclasses - `/model/api/ontology/path`

This call returns superclasses of a given ontology type, up to an eagle-i primary type (i.e. BFO ignored). Current limitation: only one path is returned; some classes have multiple inferred parents, in which case an arbitrary path is chosen.

URL: `/model/api/ontology/path` (GET and POST)

Args:

`uri`-- URI of the ontology type for which superclasses are sought

Example:

Get superclasses of Tissue Microarrayer.

http://search.eagle-i.net/model/api/ontology/path?uri=http://purl.obolibrary.org/obo/ERO_0000512