Ontology Lookup Service (OLS)

Simon Jupp [1]

- Ontologies
- Beginner
- 0.5 hour

The Ontology Lookup Service (OLS) [2] provides access to over 150 public biomedical ontologies. You can use OLS to search and visualise ontologies, and an API is also provided for programmatic access. Ontologies provide standard terminology for describing data that help us integrate and analyse data.

This webinar will introduce the OLS system and show how it can be used to find ontologies and ontology terms. We will also cover how you can use OLS services to map existing data to ontologies.

This webinar is aimed at individuals who want to learn about OLS and the use of ontologies in the life sciences. We will cover how OLS services can be used to annotate data with ontologies and touch upon how you can incorporate OLS into your own applications.

This webinar was recorded on 28 July 2016. It is best viewed in full screen mode using Google Chrome.

Learning objectives:

- Evaluate what ontologies are and why we need them
- Explore the Ontology Lookup Service website

Your feedback

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Contributors

EMBL-EBI
Ontologist/Bioinformatician - Parkinson team: Samples, Phenotypes and Ontologies

Simon Jupp is a Bioinformatician in EMBL-EBI's Samples, Phenotypes and Ontologies team with a special interest in the development of ontologies and linked open data for the life sciences. The resources he works on include the EMBL-EBI's RDF platform, Experimental Factory Ontology [3], Cellular Microscopy Phenotype [4] Ontology, Zooma, and the Ontology Lookup Service. Prior to joining EMBL-EBI in 2011, Simon worked in research at the University of Manchester, AstraZeneca and the European Arabidopsis Stock Centre. His undergraduate degree is in biochemistry, and he holds an MSc in Computer Science from the University of Wales, Aberystwyth.

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Links
[1] https://www.ebi.ac.uk/training/online/trainers/jupp
[3] https://www.ebi.ac.uk/training/online/glossary/ontology
[4] https://www.ebi.ac.uk/training/online/glossary/phenotype