Enzymes in UniProt

Rossana Zaru [1]

- Proteins
- Beginner
- 0.5 hour

This webinar will provide a practical overview of the type of information the protein database UniProt [2] offers for enzymes and how to access it. We will introduce the new enhanced enzyme annotation based on Rhea, a comprehensive expert-curated database of biochemical reactions that uses the ChEBI ontology to describe reaction participants, their chemical structures, and chemical transformations. We will show how this new feature forms the basis of a new search. Ultimately, this information will help users to integrate and analyse metabolomic data, annotate metabolic networks and models, or mine reaction data to study enzyme evolution and predict new pathways for drug production or bioremediation.

This webinar was recorded on 1 May 2019 and replaces previous version recorded in September 2017. It is best viewed in full screen mode using Google Chrome. The slides from this webinar can be downloaded below.

See the EMBL-EBI training pages for a list of upcoming webinars [3].

This webinar is aimed at scientists with an interest in learning more about the using UniProt to discover enzyme related data.

Learning objectives:

- Understand how to find enzyme data in UniProt
- Know where to get help and support when using UniProt

Contributors

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joining EMBL-EBI, Rossana worked as a postdoctoral researcher at the University of Dundee, UK where she gained expertise in the study of signalling pathways in cells of the immune system. She obtained her PhD from the University of Lausanne, Switzerland.

**Source URL:** [https://www.ebi.ac.uk/training/online/course/enzymes-uniprot](https://www.ebi.ac.uk/training/online/course/enzymes-uniprot)

**Links**
[1] [https://www.ebi.ac.uk/training/online/trainers/rzaru_14065](https://www.ebi.ac.uk/training/online/trainers/rzaru_14065)
[2] [https://www.uniprot.org/](https://www.uniprot.org/)
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