QuickGO - Gene ontology annotation

George Georghiou [1]

- Ontologies
- Proteins
- Beginner
- 0.5 hour

This webinar focuses on how to use QuickGO [2], our online browser for viewing the gene ontology (GO) and GO annotations. We will be reviewing what GO is, how to read an annotation, and how you can use QuickGO to find the information you need.

The Gene Ontology Annotation (GOA) project provides high-quality functional annotations to gene products, such as proteins, protein complexes and non-coding RNAs. Currently our database contains over 390 million annotations to 60 million distinct gene products from almost 725,000 taxa. It is therefore critical to be able to easily and quickly mine and visualise the available information.

This webinar was recorded on 10th October 2018. The slides from the webinar can be downloaded from the materials section below. This video is best viewed using Google Chrome and in full-screen mode.

For a full list of upcoming webinars from this series, please visit our training pages [3].

Learning objectives:

- Understand the basics of gene ontology
- Evaluate the features of QuickGo and know where to get help

Your feedback

Please tell us what you thought about this webinar. Your feedback is invaluable and helps us to improve our courses and thus enhance your learning experience.

Contributors

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Scientific Database - Protein Function Content

George Georghiou is a scientific database curator [4] for the Gene Ontology [5] Annotation [6] (GOA [7]) project at EMBL-EBI. His work focuses on the CAFA project, co-funded by the BBSRC and NSF. Prior to joining GOA, George obtained his PhD at Stony Brook University for his research on the characterisation of small molecule inhibitors of protein kinases using X-ray crystallography [8]. He went on to conduct his postdoctoral research at the University of Dundee, where he studied the Wnk signaling pathway using CRISPR/Cas9 gene editing technology.

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Scientific Database Curator (Uniprot) - O'Donovan team: Protein Function Content

Alice Shypitsyna is a scientific database curator in Gene Ontology Annotation (GOA) project at EMBL-EBI. She is passionate about neurobiology, immunology and human evolution, and contributes to GO outreach by helping users through training and documentation. In her role as curator, she manually integrates recently published experimental data on human proteins and other gene products to the GOA database, and helps keep it well organised. Alice obtained her PhD in Developmental Neurobiology from the University of Constance in Germany, combining neurobiology, phylogenetics and bioinformatics, and holds a BSc/MSc in Molecular Biology from the Institute of Protein Research in Russia.

Source URL: https://www.ebi.ac.uk/training/online/course/quickgo-gene-ontology-annotation

Links
[1] https://www.ebi.ac.uk/training/online/trainers/ggeorghiou_13218
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