EMBL-EBI resources: An introduction

Tom Hancocks [1], Jennifer Cham [2]

- Cross-domain
- Beginner
- 0.5 hour

The EMBL-EBI is the home of the world’s most comprehensive range of freely available molecular databases and resources. Our resources help researchers share and analyse data and perform complex queries in many different ways. Join Tom Hancocks in this webinar for a tour of the core data resources at EMBL-EBI. Tom was also joined by Jenny Cham who made a sketchnote of the webinar.

This webinar was recorded on the 1st February 2017. It is best viewed in full screen mode using Google Chrome.

Figure 1: Jenny's sketchnote of our webinar on EMBL-EBI resources.

Some interesting questions about accessing EBI data programmatically [3], exploring gene expression data [4]. You can explore these two topics by following these links.

See the EMBL-EBI training pages for a list of upcoming webinars [5].
Learning objectives:

- Discuss some of the major data resources available at EMBL-EBI
- Be able to perform basic searches for genes and proteins using the EBI search

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

Tom Hancocks [1]
EMBL-EBI
Scientific Training Officer - BioMedBridges

Tom Hancocks works as a Scientific Training Officer for the Training Team at EMBL-EBI.

He studied Human Genetics at the University of Leeds and McMaster University in Hamilton, Ontario; before completing an MSc in Analytical Genomics at the University of Birmingham.

Tom has worked for the NHS in diagnostic genetics and as a bioinformatics trainer for healthcare scientists and clinicians.

Jennifer Cham [2]
Laura Emery  [6]

EMBL-EBI
Scientific Training Officer - Training

Laura completed her undergraduate degree in Genetics (BSc first class hons) at the University of Nottingham. After dabbling in experimental work on a summer placement at the Wellcome Trust Sanger Institute, she found joy in using computer-based analyses to explore biological questions. Laura completed her PhD in Evolutionary Genetics at the University of Edinburgh’s Institute of Evolutionary Biology. There she used a bioinformatics approach to investigate patterns of codon usage in Archaea while under the supervision of Prof Paul Sharp FRS.

She also worked as a postdoc at the University of Manchester, where she explored molecular co-evolution among interacting proteins. Having obtained qualified teacher status (QTS), Laura joined EMBL-EBI as a Scientific Training Officer in 2012 and is responsible for the development and delivery of training courses.

Sarah Morgan  [7]

EMBL-EBI
Training Coordinator

Sarah has a BSc and MSc in Biomedical Sciences, a PhD from Cranfield University and an MA in Healthcare Law and Ethics from the University of Manchester. Over a 10 year academic career her research has focused on tumour biomarker [8] characterisation and cell-surface interaction. Beyond research she took an active role in the provision of postgraduate taught courses for the University as
Lecturer in Molecular Medicine, leading the development and direction of a number of MSc Courses including the MSc in Translational Medicine, the MSc in Molecular Medicine, and more recently acting as director for the MSc Programmes in Advanced Biosciences. She has lectured on a variety of biomedical techniques and topics, including ethics and governance of research.

Source URL: http://www.ebi.ac.uk/training/online/course/introduction-embl-ebi-resources-webinar

Links
[1] http://www.ebi.ac.uk/training/online/trainers/Tom
[7] http://www.ebi.ac.uk/training/online/trainers/sarahm
[8] http://www.ebi.ac.uk/training/online/glossary/biomarker