

Event metadata

Event title	Global data resources for human genomics and health
Event type	Webinar
Date of event	20/09/2024
Time of event	3pm AEDT
Topic description	<p>Dr Mallory Freeberg takes us on a whirlwind tour of the human genomics data resources available at EMBL's European Bioinformatics Institute (EMBL-EBI). Used by scientists across the world, these resources enable the discovery and exploration of genes, variants and their impact on human health and disease.</p> <p>Resources that will be covered in this webinar include:</p> <ul style="list-style-type: none"> • Ensembl: a genome browser that supports research in comparative genomics, evolution, sequence variation and transcriptional regulation • DECIPHER: an interactive web-based database and suite of tools that aid the clinical interpretation of genomic variants • Federated EGA: a global resource for discovery and access of sensitive human omics and associated data consented for secondary use • Perturbation Catalogue: a new project from Open Targets that is building a catalogue of harmonised and curated human gene, variant, and expression data <p>EMBL-EBI's comprehensive range of freely available and up-to-date molecular data resources are used by scientists globally. The teams running these resources collaborate closely with international experts and are key partners in human genomic data sharing communities including the Global Alliance for Genomics and Health.</p>
Format description	Webinar presentation followed by a brief question and answer session
Identifier(s)/URL	https://www.biocommons.org.au/events/ebi-human-genomics

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Keywords	Bioinformatics http://edamontology.org/topic_0091 Genomics http://edamontology.org/topic_0622
Contact	training@biocommons.org.au
Audience	This webinar is for life scientists, bioinformaticians, clinicians and clinical geneticists who are working on human genomics data.
Prerequisites	None
Technical requirements	None
Learning outcomes	By the end of this webinar you should be able to describe the features of Ensembl, DECIPHER, EGA and the perturbation catalogue and outline how these resources can be used in human genomics and health.
Speakers	Dr Mallory Freeberg, Human Genomics Team Leader, EMBL European Bioinformatics Institute
Related material	None