

Event metadata

Event title	BioSamples: supporting multi-omics data integration with FAIR sample records
Event type	Webinar
Date of event	04/10/2023
Time of event	4pm AEDT
Topic description	<p>The BioSamples database at EMBL-EBI is the ELIXIR deposition database and EMBL-EBI's central institutional repository for information about biological samples (metadata). BioSamples can be used to search, submit and curate sample metadata across multiple projects and contexts. BioSamples records are the key point of connection between EMBL-EBI archives (e.g ENA, ArrayExpress) and other resources. This webinar will highlight how BioSamples can be used to enable multi-omic data sharing and integration including how to submit to the database in combination with other major public repositories. We will look at how BioSamples supports Findable, Accessible, Interoperable and Reusable (FAIR) principles for sample metadata management, and examine case studies where this has been beneficial, for example for integrating data to support the COVID-19 pandemic response.</p>
Format description	Webinar presentation followed by a brief question and answer session
Identifier(s)/URL	https://www.biocommons.org.au/events/biosamples
Licence	Materials are shared under a Creative Commons Attribution 4.0 International agreement unless otherwise stated on the materials
Keywords	<p>Bioinformatics http://edamontology.org/topic_0091 Database entry metadata http://edamontology.org/data_2193 Data integration and warehousing http://edamontology.org/topic_3366 Metadata Multiomics Data integration BioSamples</p>

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Audience	This webinar is for biologists and bioinformaticians who search, submit and/or curate samples across multiple projects and contexts. It's particularly relevant to anyone interested in linking datasets to support the FAIR principles.
Prerequisites	None
Technical requirements	None
Learning outcomes	<p>By the end of this webinar you should be able to:</p> <ul style="list-style-type: none"> • Outline how BioSamples can be used to enable multi-omic data sharing and integration • Describe how to submit to the database in combination with other major public repositories. • Describe how BioSamples supports Findable, Accessible, Interoperable and Reusable (FAIR) principles for sample metadata management • Outline case studies where using BioSamples has been beneficial, for example for integrating data to support the COVID-19 pandemic response.
Speakers	Tony Burdett, Technical Team Leader - Archival Infrastructure and Technology, EMBL-EBI
Related material	None