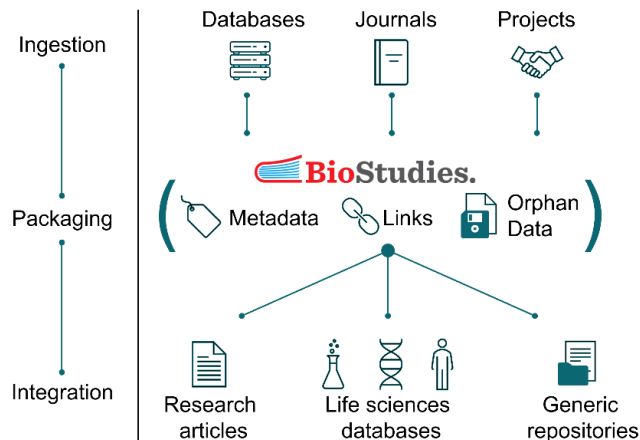


# BioStudies: A comprehensive hub for all life-science study data



## Challenge

Biological experiments produce abundant and heterogeneous data, yet the primary and most important means of communicating results remains the research paper, the format of which has changed little over the past 50 years. It is a major challenge to integrate modern research outputs, in this case data, to this tried and tested format. While we are not lacking technical solutions, data is often distributed across multiple locations with high variability in the quality of linking data with papers, making it increasingly difficult over time to find all the data that support the science reported in a paper.



## Technology

The BioStudies database offers a centralized platform for storing, sharing, and managing all data outputs from life-science studies. Through streamlined access it enhances research transparency and reproducibility by consolidating data in a single location. Serving as a pivotal repository for detailed descriptions of biological studies, associated data is linked across major community databases at EMBL-EBI and beyond. It also accommodates "orphan data" that does not fit into traditional archives. The database supports a wide range of studies and accepts data in a user-friendly format, adhering to community standards without imposing stringent requirements. This seamless integration of tools and repositories allows for easy sharing of data, facilitating collaboration, as well as enhancing data integrity and decision making and ultimately advancing the quality and impact of life sciences research.

## Opportunity

BioStudies accelerates data-driven decision-making by consolidating all relevant data into one accessible platform, boosting research and development across diverse fields. Contact us for a quote. Our services are available to everyone, and we offer special rates for start-ups and SMEs.

## Further Reading

- <https://www.ebi.ac.uk/biostudies/>
- <https://www.ebi.ac.uk/about/teams/biostudies/>
- <https://pubmed.ncbi.nlm.nih.gov/29069414/>

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