



Publication by BBMRI.at partner Med Uni Wien / MedUni Wien Biobank

Metadata Quality for Biobanks

Oct 2022

For reproducible research high-quality samples are essential. However, also high quality data, are a prerequisite for good research, because the "garbage in – garbage out" paradigm also accounts to data.

Since biobanks typically provide both biological material and data for medical research, this topic is also relevant for biobanks. They often have a role as data brokers, even though they are not responsible for the quality of the data itself, but for the quality of its representation.

The quality of biobank data and particularly of metadata (i.e. the data about the data), however, is currently neither properly defined nor investigated in depth.

In this publication, the BBMRI.at authors list the properties of biobanks that are most important for metadata quality management, and provide a set of metadata quality attributes and their metrics in a design science approach.

[Read original publication>](#)

Shekhovtsov, V.A.; Eder, J. **Metadata Quality for Biobanks**. Appl. Sci. 2022, 12, 9578. <https://doi.org/10.3390/app12199578>

The thumbnail shows the article page for "Metadata Quality for Biobanks" in Applied Sciences. It includes the journal logo, the title, authors (Volodymyr A. Shekhovtsov and Johann Eder), and an abstract. The abstract discusses the mission of biobanks to provide high-quality biological material and data, and the importance of metadata quality management. It also lists keywords: metadata, data quality, biobank, quality metrics.