

GHGA takes a multilayered approach to protect sensitive human omics data



### Implementing Cybersecurity

GHGA is developing state-of-the-art infrastructure to securely store human omics data and reduce the risk of a data-breach to an absolute minimum.



### GDPR Compliant Data Processing

The interpretation of the GDPR is country dependent. As a German initiative, GHGA addresses the legal basis for data processing in the national context.



### Managing Consent

GHGA has developed different tools to help clinicians, researchers and institutions wanting to submit omics data to GHGA.



### Controlled Data Access

Only non-personal metadata is public within the GHGA Data Portal. Use of the research data or personal metadata must be approved by the data owner. GHGA serves as a mediator in this process.

A study involving cancer patients found that 97 percent are willing to make clinical data available for research purposes. The major condition for their consent? High data security. A goal GHGA is striving to achieve.

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