

Schema-Driven Interoperability of Biomedical Data Resources for Improved Knowledge Dissemination and Reuse (SchemaInterop)

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Today starts a new project. NWO's [Open Science NL](#) awarded [Dr Tooba Abbassi-Daloi](#) (Amsterdam UMC) with a grant to work on the interoperability between biomedical databases which all have different scope and design (doi:[10.61686/AQNSM35060](#)). This project will create an open, interoperable framework to connect these databases, enabling efficient access and data use. By applying schema harmonization, aligning database designs, and using open science approaches, it promotes data transparency, reusability, and interoperability. Our approach implements the FAIR principles, ensuring analysis across databases is accurate and transparent, e.g., when combining gene expression data with gene variant knowledge. The project brings together researchers from the Amsterdam UMC, Universiteit Maastricht, and Leiden University Medical Center.

The full proposal can be read in the Open Science NL Collection on Zenodo (doi:[10.5281/zenodo.19704231](#)).