

Resource Summary Report

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BioMedBridges

RRID:SCR_006179

Type: Tool

Proper Citation

BioMedBridges (RRID:SCR_006179)

Resource Information

URL: <http://www.biomedbridges.eu/>

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Description: Consortium of 12 Biomedical sciences research infrastructure (BMS RI) partners to develop a shared e-infrastructure to allow interoperability between data and services in the biological, medical, translational and clinical domains (providing a complex knowledge environment comprising standards, ontologies, data and services) and thus strengthen biomedical resources in Europe. The BMS RIs are on the roadmap of the European Strategy Forum on Research Infrastructures (ESFRI). Connecting several European research infrastructures brings a diversity of ethical, legal and security concerns including data security requirements for participating e-Infrastructures that are storing or processing patient-related data (or biosamples): EATRIS, ECRIN, BBMRI, EuroBioImaging and EMBL-EBI. In addition, INSTRUMENT is interested in secure sample transport and in intellectual property rights; Infrafrontier stores high-throughput data from mice. BBMRI with its focus on the availability of biomaterials is currently emphasizing aspects like k-anonymity and metadata management for its data. Sharing of imaging data by Euro-BioImaging poses challenges with respect to anonymisation and intellectual property. Therefore, an ethical, regulatory and security framework for international data sharing that covers these diverse areas and different types of data (e.g. clinical trials data, mouse data, and human genotype and DNA sequence data) is of crucial importance. The outcomes will lead to real and sustained improvement in the services the biomedical sciences research infrastructures offer to the research community. Data curation and sample description will be improved by the adoption of best practices and agreed standards. Many improvements will emerge from new interactions between RIs created by data linkage and networking. Ensuring access to relevant information for all life science researchers across all BMS RIs will enable scientists to conduct and share cutting-edge research.

Abbreviations: BioMedBridges

Synonyms: Building data bridges between biological and medical infrastructure in Europe (BioMedBridges), Building data bridges between biological and medical infrastructures in Europe, Building data bridges from biology to medicine in Europe

Resource Type: consortium, data or information resource, organization portal, portal

Keywords: clinical, biomedical, infrastructure, technology, biology, medicine, translational, data sharing, biobank, genetic, stem cell, clinical trial, imaging, genotype, dna sequence, standard specification, interoperability

Funding: European Union FP7 Capacities Specific Programme 284209

Resource Name: BioMedBridges

Resource ID: SCR_006179

Alternate IDs: nlx_151726

Record Creation Time: 20220129T080234+0000

Record Last Update: 20260912T195636+0000

Ratings and Alerts

No rating or validation information has been found for BioMedBridges.

No alerts have been found for BioMedBridges.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Li Q, et al. (2026) Modeling Diabetes Risk and Progression With Public Health Data: Ontology-Guided, Simulation-Capable Digital Twin Study. JMIR medical informatics, 14, e87374.

Ison J, et al. (2021) biotoolsSchema: a formalized schema for bioinformatics software description. GigaScience, 10(1).

Kuchinke W, et al. (2016) Legal assessment tool (LAT): an interactive tool to address privacy and data protection issues for data sharing. BMC medical informatics and decision making, 16(1), 81.

Jupp S, et al. (2016) The cellular microscopy phenotype ontology. Journal of biomedical semantics, 7, 28.

Duarte AM, et al. (2015) Future opportunities and trends for e-infrastructures and life sciences: going beyond the grid to enable life science data analysis. *Frontiers in genetics*, 6, 197.

Lopes P, et al. (2015) Challenges and Opportunities for Exploring Patient-Level Data. *BioMed research international*, 2015, 150435.

Salek RM, et al. (2015) COordination of Standards in MetabOlomicS (COSMOS): facilitating integrated metabolomics data access. *Metabolomics : Official journal of the Metabolomic Society*, 11(6), 1587.