

Resource Summary Report

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SIMBioMS

RRID:SCR_005745

Type: Tool

Proper Citation

SIMBioMS (RRID:SCR_005745)

Resource Information

URL: <http://simbioms.org/>

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Description: SIMBioMS (System for Information Management in BioMedical Studies) is a multi-module solution for data management in biomedical studies. Any research concerning human samples and/or utilizing high-throughput technologies yields such amount of information that conventional data storage solution might not be sufficient. We offer here three software modules: * Sample Information Management System (SIMS), * Assay Information Management System (AIMS) * Sample avAILability system (SAIL) * Emanta Administration tool (Emanta) All three software modules were developed as a part of the integrated EU project MolPAGE (Molecular Phenotyping to Accelerate Genomic Epidemiology) and the collaborative research project ENGAGE (European Network of Genomic and Genetic Epidemiology). SIMS and AIMS can work either as united system or as two completely independent components. In turn, SAIL is an independent web-based system for indexing of phenotypes availability in different cohorts and collections. All systems are packaged in such a way that they can easily be installed either as local (e.g. on a laptop) or as centralized databases (to be used by a group of people). SIMS and AIMS benefit from customizable interface, editable vocabularies and a choice of options for tackling data confidentiality issues. The systems provides a user with efficient means of control over data exchange process and at the same time helps to format the metadata in compliance with the standards accepted in functional genomics. Since SIMBioMS is an open source project, source files can be downloaded and changed by the user if needed.

Abbreviations: SIMBioMS

Synonyms: System for Information Management in BioMedical Studies, SIMBioMS - System for Information Management in BioMedical Studies

Resource Type: source code, software resource

Defining Citation: [PMID:19633095](#)

Keywords: data management, biomedical, module, sample, assay, high-throughput, project management

Funding: European Union

Availability: Open unspecified license

Resource Name: SIMBioMS

Resource ID: SCR_005745

Alternate IDs: nlx_149204

Record Creation Time: 20220129T080232+0000

Record Last Update: 20260801T042603+0000

Ratings and Alerts

No rating or validation information has been found for SIMBioMS.

No alerts have been found for SIMBioMS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Beaumont RN, et al. (2018) Genome-wide association study of offspring birth weight in 86,577 women identifies five novel loci and highlights maternal genetic effects that are independent of fetal genetics. Human molecular genetics, 27(4), 742.

Spjuth O, et al. (2017) E-Science technologies in a workflow for personalized medicine using cancer screening as a case study. Journal of the American Medical Informatics Association : JAMIA, 24(5), 950.

Santare D, et al. (2015) Improving uptake of screening for colorectal cancer: a study on invitation strategies and different test kit use. European journal of gastroenterology & hepatology, 27(5), 536.

Tsiliki G, et al. (2014) Collaborative mining and interpretation of large-scale data for biomedical research insights. PloS one, 9(9), e108600.

Weiler G, et al. (2014) p-BioSPRE-an information and communication technology framework for transnational biomaterial sharing and access. Ecancermedicallscience, 8, 401.

Gostev M, et al. (2011) SAIL--a software system for sample and phenotype availability across biobanks and cohorts. *Bioinformatics* (Oxford, England), 27(4), 589.