

1. Record Nr.	UNISA996466571303316
Titolo	Data Integration in the Life Sciences [[electronic resource] ] : 13th International Conference, DILS 2018, Hannover, Germany, November 20-21, 2018, Proceedings // edited by Sören Auer, Maria-Esther Vidal
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-06016-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XI, 218 p. 81 illus., 62 illus. in color.)
Collana	Lecture Notes in Bioinformatics ; ; 11371
Disciplina	005.74
Soggetti	Database management Application software Artificial intelligence Mathematical logic Bioinformatics Database Management Information Systems Applications (incl. Internet) Artificial Intelligence Mathematical Logic and Formal Languages Computational Biology/Bioinformatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Big Biomedical Data Integration and Management -- Do Scaling Algorithms Preserve Word2Vec Semantics? A Case Study for Medical Entities -- Combining semantic and lexical measures to evaluate medical terms similarity -- Construction and Visualization of Dynamic Biological Networks: Benchmarking the Neo4J Graph Database -- A Knowledge-driven Pipeline from Transforming Big Data into Actionable Knowledge -- Leaving no stone unturned: Using machine learning based approaches for information extraction from full texts of a research data warehouse -- Data Exploration in the Life Sciences -- Towards research infrastructures that curate scientific information: A use case in life sciences -- Interactive Visualization for large-scale multi-factorial Research Designs -- FedSDM: Semantic Data Manager

for Federations of RDF Datasets -- Data Integration for Supporting Biomedical Knowledge Graph Creation at Large-Scale -- DISBi: A flexible framework for integrating systems biology data -- Biomedical Data Analytics -- Using Machine Learning to Distinguish Infected from Non-Infected Subjects at an Early Stage Based on Viral Inoculation -- Automated Coding of Medical Diagnostics from Free-Text: the Role of Parameters Optimization and Imbalanced Classes -- A learning-based approach to combine medical annotation results -- Knowledge Graph Completion to Predict Polypharmacy Side Effects -- Big Biomedical Applications -- Lung Cancer Concept Annotation from Spanish Clinical Narratives -- Linked Data based Multi-Omics Integration and Visualization for Cancer Decision Networks -- The Hannover Medical School Enterprise Clinical Research Data Warehouse: 5 years of experience -- User-Driven Development of a Novel Molecular Tumor Board Support Tool -- Using Semantic Programming for developing a Web Content Management System for semantic Phenotype Data -- Converting Alzheimer's disease map into a heavyweight ontology: a formal network to integrate data.

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### Sommario/riassunto

This book constitutes revised selected papers from the 13th International Conference on Data Integration in the Life Sciences, DILS 2018, held in Hannover, Germany, in November 2018. The 5 full, 8 short, 3 poster and 4 demo papers presented in this volume were carefully reviewed and selected from 22 submissions. The papers are organized in topical sections named: big biomedical data integration and management; data exploration in the life sciences; biomedical data analytics; and big biomedical applications.

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