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Nota di contenuto	Data Integration Technologies -- Combining Multiple Knowledge Sources: A Case Study of Drug Induced Liver Injury -- Vidal, Elena Zotkina, and Louiqa Raschid GEM: The GAIN Entity Mapper -- Data Integration in the Human Brain Project -- SchizConnect: Virtual Data Integration in Neuroimaging -- Ontology and Knowledge Engineering for Data Integration Annotating Medical Forms Using UMLS -- OnSim: A Similarity Measure for Determining Relatedness Between Ontology Terms -- AnnEvol: An Evolutionary Framework to Description Ontology-Based Annotations -- Terminology Development Towards

Harmonizing Multiple Clinical Neuroimaging Research Repositories --
Creating Biomedical Ontologies Using mOntage -- Creation of
Definitions for Ontologies: A Case Study in the Leukemia Domain --
Biomedical Data Standards and Coding Integration of Hematopoietic
Cell Transplantation Outcomes Data: Data Standards Are Not Enough --
ICD Code Retrieval: Novel Approach for Assisted Disease Classification
-- Medical Research Applications -- Integration of Multimodal
Neuroimaging and Electroencephalography for the Study of Acute
Epileptiform Activity After Traumatic Brain Injury -- SVI: A Simple
Single-Nucleotide Human Variant Interpretation Tool for Clinical Use --
Quality Control Considerations for the Effective Integration of
Neuroimaging Data -- Integration of Behavioral, Structural, Functional,
and Genetic Data for the Study of Autism Spectrum Disorders --
Reverse Engineering Measures of Clinical Care Quality: Sequential
Pattern Mining -- Inference and Verification of Probabilistic Graphical
Models from High-Dimensional Data -- SPIRIT-ML: A Machine Learning
Platform for Deriving Knowledge from Biomedical Datasets --
Demonstration: Mining Sentence and Annotation Evidence for a Cross
Genome Study of the Plant Hormone Ethylene -- Graduate Student
Consortium -- GAAIN Virtual Appliances: Virtual Machine Technology
for Scientific Data Analysis -- The GAAIN Entity Mapper: Towards
Practical Medical Informatics Application -- Efficient Management of
Cached Data in the Global Alzheimer's Association Interactive Network
-- Domain Specific Document Retrieval Framework for Real-Time Social
Health Data.

Sommario/riassunto

This book constitutes the proceedings of the 11th International Conference on Data Integration in the Life Sciences, DILS 2015, held in Los Angeles, CA, USA, in July 2015. The 24 papers presented in this volume were carefully reviewed and selected from 40 submissions. They are organized in topical sections named: data integration technologies; ontology and knowledge engineering for data integration; biomedical data standards and coding; medical research applications; and graduate student consortium.
