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	Nota di contenuto	Keynote Presentations -- Ontologies and Data Integration in Biomedicine: Success Stories and Challenging Issues -- BioWarehouse: Relational Integration of Eleven Bioinformatics Databases and Formats -- Data Integration in the Life Sciences: Fun, Findings and Frustrations -- Semantic Web for the Life Sciences -- Analyzing the Evolution of Life

Science Ontologies and Mappings -- Ontology Design Principles and Normalization Techniques in the Web -- Exploiting Ontology Structure and Patterns of Annotation to Mine Significant Associations between Pairs of Controlled Vocabulary Terms -- Designing and Evaluating Architectures to Integrate Biological Data -- Automatic Methods for Integrating Biomedical Data Sources in a Mediator-Based System -- VisGenome and Ensembl: Usability of Integrated Genome Maps -- An Entity Resolution Framework for Deduplicating Proteins -- New Architectures and Experience on Using Systems -- Semantic Representation and Querying of caBIG Data Services -- SisGen: A CORBA–Based Data Management Program for DNA Sequencing Projects -- Bgee: Integrating and Comparing Heterogeneous Transcriptome Data Among Species -- ENFIN - An Integrative Structure for Systems Biology -- Systems Using Technologies from the Semantic Web for the Life Sciences -- A System for Ontology-Based Annotation of Biomedical Data -- Bio2RDF : A Semantic Web Atlas of Post Genomic Knowledge about Human and Mouse -- OMIE: Ontology Mapping within an Interactive and Extensible Environment -- Chemical Knowledge for the Semantic Web -- Mining Integrated Biological Data -- Combining One-Class Classification Models Based on Diverse Biological Data for Prediction of Protein-Protein Interactions -- Semi Supervised Spectral Clustering for Regulatory Module Discovery -- New Features of Major Resources for Biomolecular Data -- UniProtKB/Swiss-Prot: New and Future Developments -- EBI Proteomics Services -- DILS 2008 Tutorial -- Bio-ontologies Tutorial.

Sommario/riassunto	This book constitutes the refereed proceedings of the 5th International Workshop on Data Integration in the Life Sciences, DILS 2008, held in Evry, France in June 2008. The 18 revised full papers presented together with 3 keynote talks and a tutorial paper were carefully reviewed and selected from 54 submissions. The papers adress all current issues in data integration and data management from the life science point of view and are organized in topical sections on Semantic Web for the life sciences, designing and evaluating architectures to integrate biological data, new architectures and experience on using systems, systems using technologies from the Semantic Web for the life sciences, mining integrated biological data, and new features of major resources for biomolecular data.